Aaron, J.J. 255(1991)305 Abdallah, A.M. 251(1991)207 Abdul-Rashid, M.K. 252(1991)223 Abollino, O. 258(1992)237

Abraham, M.H. 259(1992)1 Abu-Eid, M. 259(1992)175 Adams, K.C. 258(1992)199

Afonso Perera, A. 255(1991)107

Agterdenbos, J. 252(1991)89 Agureyev, V.G. 251(1991)223 Ahmad, K. 259(1992)139

Aiken, J.H. 254(1991)189 Akiyama, A. 251(1991)129

Akl, M.A. 251(1991)207 Al-Bazi, S.J. 251(1991)233

Al-Nuri, M.A. 259(1992)175

Albrecht, S. 255(1991)373, 255(1991)413

Aleixo, L.M. 257(1992)35 Allain, P. 251(1991)183

Aller, A.J. 252(1991)97, 259(1992)295 Alonso, J. 254(1991)177

Altrell, I. 256(1992)75 Alvarez, E. 260(1992)19 Aly, F.A. 255(1991)103

An, D. 260(1992)75

Andor, J.A. 253(1991)205 Andres, R.T. 251(1991)165

Angel, S.M. 255(1991)275 Antinore, M.J. 251(1991)79

Antonelli, M.L. 252(1991)17 Antonijević, V.V. 258(1992)161

Apak, R. 255(1991)121 Aparicio, R. 259(1992)115 Arias León, J.J. 252(1991)107

Armstrong, D.W. 255(1991)157, 258(1992)83

Arnold, G. 253(1991)245 Arruda, M.A.Z. 258(1992)129 Asuero, A.G. 257(1992)29 Aubeck, R. 256(1992)257

Bachas, L.G. 256(1992)269 Badilescu, I.I. 253(1991)33 Badilescu, S. 253(1991)33 Bador, R. 251(1991)215

Baeyens, W.R.G. 255(1991)283

Baffi, F. 260(1992)99 Bagliano, G. 256(1992)163

Baiocchi, C. 258(1992)93 Balaei, S. 255(1991)305

Balfoort, H.W. 258(1992)11

Barakat, S.A. 258(1992)325, 259(1992)33

Barańska, H. 253(1991)211

Barbosa, J. 256(1992)177, 256(1992)203, 256(1992)211

Barceló, D. 254(1991)235 Barefoot, R.R. 252(1991)205 Barg, E. 260(1992)113 Barnett, N.W. 259(1992)19 Basiuk, V.A. 255(1991)197 Battaglini, F. 258(1992)151

Battino, M. 255(1991)367 Bechev, B.G. 256(1992)29 Beckert, R. 255(1991)413 Becue, T. 254(1991)33

Beil, S. 257(1992)165

Belal, F. 255(1991)103

Bennett, D.W. 251(1991)27

Beresnev, A.N. 251(1991)223 Berkesi, O. 253(1991)205

Bernard, M. 251(1991)39

Berre, S. 251(1991)183

Berthod, A. 258(1992)83 Bertolo, P.L. 258(1992)93

Bertsch, W. 259(1992)225

Bhattacharya, S. 257(1992)123

Billion-Rey, F. 259(1992)193

Blais, J. 255(1991)343

Blanco, M. 259(1992)219 Blauw, J.S. 257(1992)257

Blum, L.J. 255(1991)253

Bochev, P.G. 256(1992)29 Boelens, H.F.M. 256(1992)349

Boguslavsky, L.I. 251(1991)121

Böhm, W.-D. 255(1991)413 Bolshov, M.A. 251(1991)169

Bolzoni, L. 259(1992)257

Bomer, J.G. 254(1991)75

Bond, A.M. 258(1992)299 Bonet, E. 259(1992)203

Booii, A.S. 253(1991)251

Borrel, M.-N. 257(1992)189

Borrull, F. 259(1992)237 Boržitsky, J.A. 258(1992)135

Bos, A. 256(1992)133

Bos. M. 256(1992)133

Bosch, E. 256(1992)177, 256(1992)203, 256(1992)211

Bosch-Reig, F. 257(1992)89 Boss, C.B. 257(1992)309

Bossus, D. 254(1991)127

Botrè, C. 255(1991)59 Botrè, F. 255(1991)59

Bouklouze, A.A. 257(1992)41

Bourson, J. 257(1992)189

Boutron, C.F. 251(1991)169

Bouve, J. 255(1991)417

Bovara, R. 255(1991)259

Brajter-Toth, A. 259(1992)139

Bramlage, J. 255(1991)127

Brandl, H. 255(1991)413

Brazier, J.L. 259(1992)193

Breedveld, L.W. 258(1992)11

Brennan, J.D. 255(1991)73, 257(1992)49

Brindle, I.D. 258(1992)307 Bromberg, A. 256(1992)33

Brooks, R.R. 259(1992)289

Brown, R.H. 251(1991)281

Brown, R.S. 255(1991)73, 257(1992)49

Bruce, A.E. 253(1991)101

Bruce, M.R.M. 253(1991)101

Brunink, J.A.J. 254(1991)75

Bruns, R.E. 255(1991)149

Buckley, D.J. 251(1991)281

Bückmann, F. 255(1991)223

Budini, R. 255(1991)259 Buffle, J. 254(1991)1, 254(1991)9 Bukowsky, H. 257(1992)105 Bürck, J. 254(1991)159 Burger, M. 254(1991)119

Burns, D.T. 254(1991)197, 256(1992)87, 256(1992)307, 258(1992)325, 259(1992)33, 260(1992)65

Burse, V.W. 251(1991)281 Bury, R. 251(1991)69

Bysouth, S.R. 258(1992)55

Cabaniss, S.E. 255(1991)23 Cai, Y.-Q. 256(1992)113 Caldas, E.D. 254(1991)113 Calhoun, R.K. 252(1991)29 Calokerinos, A.C. 255(1991)403 Calull, M. 259(1992)237 Calvo, E.J. 258(1992)151 Cámara, C. 252(1991)161 Campins-Falcó, P. 257(1992)89 Capitán, F. 259(1992)345 Capitán-Vallvey, L.F. 259(1992)345 Cardinale, A.M. 260(1992)99

Careri, M. 259(1992)257 Carr, P.W. 251(1991)83 Carrea, G. 255(1991)259 Carretero, I. 259(1992)203 Carter III, R.O. 253(1991)125

Carunchio, V. 252(1991)17 Caserta, K.J. 252(1991)29 Castillo, J.R. 259(1992)129 Caudill, S.P. 251(1991)281 Cepeda, A. 255(1991)343

Cepria, G. 259(1992)129

Cerdà, V. 251(1991)305, 258(1992)177, 259(1992)339

Cervera, M.L. 258(1992)61 Chakraburtty, A.K. 257(1992)123 Chen, G.Z. 256(1992)285 Chen, H. 252(1991)47 Chen, L. 259(1992)123 Chen, S. 255(1991)383 Chen, Z.L. 257(1992)99 Cheng, I.F. 251(1991)35 Chevalet, J. 251(1991)69

Chevalier, Y. 256(1992)251 Chiang, L. 255(1991)187

Chimpalee, D. 254(1991)197, 256(1992)87, 256(1992)307, 260

Chimpalee, N. 254(1991)197, 260(1992)65

Chiu, J.-H. 256(1992)293 Chow, A. 260(1992)123 Christian, G.D. 253(1991)1, 259(1992)37 Christie, I.M. 257(1992)21 Chu, T.-C. 256(1992)293 Cleland, T.J. 259(1992)73

Cliffe, S. 256(1992)53 Coello, J. 259(1992)219 Colomiets, L.I. 252(1991)1 Comeau, R. 253(1991)33 Compañó, R. 255(1991)325 Coquet, A. 252(1991)173 Cordfunke, E.H.P. 253(1991)251 Cornelis, R. 257(1992)1 Correia dos Santos, M.M. 258(1992)259

Cortés, G. 259(1992)339

Cortina, J.L. 256(1992)177, 256(1992)203, 256(1992)211 Cortina Villar, J.C. 256(1992)231 Cosović, B. 255(1991)15

Costa García, A. 256(1992)231 Coulet, P.R. 255(1991)253 Cournot, A. 251(1991)183 Courtijn, E. 257(1992)223 Coutinho, P. 258(1992)259 Crawford, G.E. 253(1991)189

Crouch, S.R. 254(1991)201, 258(1992)253 Crowther, T.G. 254(1991)223

Cullen, W.R. 258(1992)307 Cutié, S.S. 260(1992)13

Da Costa, W.F. 257(1992)35 Daih, B.-J. 258(1992)245 Dallas, A.J. 251(1991)83 Dams, R. 257(1992)223 Darbord, J.C. 255(1991)423 Das, H.A. 252(1991)89 Dasgupta, P.K. 260(1992)57 Dauphin, C. 254(1991)89 Davies, A.M.C. 253(1991)161 Davis, G. 258(1992)141 De Andrade, J.C. 255(1991)149 De Bertrand, N. 254(1991)235 De Boever, J. 255(1991)417 Decambox, P. 254(1991)145

Decool, A. 255(1991)423 De Corte, F. 254(1991)127 Degli Agosti, R. 252(1991)173 De Graaff, J. 252(1991)187 De la Calle Guntiñas, M.B. 252(1991)161 De la Guardia, M. 256(1992)225

Delaporte, T. 251(1991)183 De Ligny, C.L. 252(1991)89 De Lurdes Gonçalves, M. 258(1992)259

Del Valle, M. 254(1991)177 De Maine, M.M. 256(1992)361 De Maine, P.A.D. 256(1992)361 Deranleau, D.A. 259(1992)355 Derksen, M.W.J. 258(1992)11 Deron, S. 256(1992)163 Devi, S. 259(1992)53 Dewaele, C. 255(1991)283

De Wispelaere, A. 254(1991)127 Diamond, D. 251(1991)149 Diaz García, M.E. 255(1991)245

Dimov, N. 260(1992)69

Doggett, W.O. 257(1992)309 Doherty, A.P. 255(1991)45 Dombek, V. 256(1992)69 Donat, J.R. 257(1992)281 Dorea, J.G. 254(1991)113 Dorsey, J.G. 255(1991)127 Doubek, N. 256(1992)163 Downard, A.J. 251(1991)157, 256(1992)117 Drables, F. 256(1992)145 Dreveni, I. 253(1991)205 Driebergen, R.J. 257(1992)257 Duchane, B.J. 260(1992)13 Ducroz, F.M. 251(1991)169 Dudley, N. 258(1992)1 Dulce G. Faria, M. 253(1991)43, 253(1991)107 Dumschat, C. 252(1991)7 Dunn III, W.J. 257(1992)229 Durán-Merás, 1. 255(1991)351 Durán, M.S. 255(1991)317 Durst, R.A. 251(1991)3 Dutra, A.J.B. 251(1991)53 Dvinin, A.V. 258(1992)135

Eckert, J.M. 255(1991)31 Eckert-Tilotta, S.E. 254(1991)215 Economou, P.T. 257(1992)203 Eichhorn, E. 256(1992)243 Eiras, S.P. 255(1991)149 El Jammal, A. 257(1992)41 Elleouet, C. 257(1992)301 El Meray, M. 251(1991)39 Elskaya, A.V. 252(1991)1 Enchev, V. 260(1992)69 Engelaer, F.W. 255(1991)395 Engelsma, M. 252(1991)187 Ensafi, A.A. 252(1991)121, 252(1991)167 Erni, F. 256(1992)125 Espinola, A. 251(1991)53 Espinosa-Mansilla, A. 258(1992)47 Estela, J.M. 251(1991)305, 259(1992)339 Evans, J. 252(1991)1 Evans, O. 254(1991)81 Everall, N. 253(1991)257

Fábián, I. 254(1991)209
Fadeeva, V.I. 257(1992)109
Fäldén, K. 256(1992)17
Fausto, R. 253(1991)43, 253(1991)107
Favaro, G. 258(1992)99
Fawer, M. 256(1992)53
Feinberg, B.A. 251(1991)27
Fenwick, G.R. 253(1991)161
Fernández-Correa, R. 259(1992)61
Ferreiro, L. 259(1992)115
Ferri, E. 255(1991)367, 255(1991)387
Fiechter, A. 255(1991)91, 256(1992)53

Fiorani, M. 258(1992)99 Fischer, W. 257(1992)165 Fitzgerald, L.J. 253(1991)269 Fitzsimons, M.F. 252(1991)223 Flagler, M. 255(1991)289 Fleck, T. 259(1992)355 Fluri, K. 255(1991)35 Fong, P. 260(1992)123 Ford, T.A. 253(1991)173 Förster, H. 253(1991)227 Forster, R.J. 255(1991)45 Forteza, R. 258(1992)177 Foster, D. 255(1991)73 Frache, R. 260(1992)99 Franco, D.W. 254(1991)245 Franklin, J.G. 253(1991)161 Freeman, M.K. 256(1992)269 Freiha, B. 254(1991)81 Freiser, H. 251(1991)233 Frigge, E. 254(1991)65 Frishman, G. 256(1992)33 Fucsko, J. 259(1992)149 Furusawa, M. 251(1991)241, 256(1992)221, 259(1992)15

Galbán, J. 255(1991)113 Gallagher, K.A. 251(1991)281 Gallarta, F. 255(1991)113 Gallego, M. 252(1991)83 Gamoh, K. 251(1991)255, 256(1992)319 Ganesh, S. 260(1992)131 Gao, H. 252(1991)47 Gao, Y.-H. 255(1991)135 Gao, Z. 259(1992)211 García-Beltrán, L. 255(1991)325 García-Olalla, C. 252(1991)97, 259(1992)295 García, S. 259(1992)325 García Fraga, J.M. 252(1991)107 García Pareja, A. 255(1991)311 García Sánchez, F. 255(1991)311, 259(1992)61 Gardell, D. 255(1991)289 Gautier, S.M. 255(1991)253 Geiger, Jr., R.F. 252(1991)29 Geng, A.C. 257(1992)99 Gennaro, M.C. 258(1992)93 Gentilomi, G. 255(1991)387 Gerkin, R.E. 253(1991)269 Ghini, S. 255(1991)259, 255(1991)387 Gibaud, S. 255(1991)423 Gibellini, D. 255(1991)387 Giglio, J.J. 254(1991)109 Gine-Rosias, M.F. 254(1991)113 Giraudeau, A. 251(1991)39 Girotti, S. 255(1991)259, 255(1991)367, 255(1991)387 Głab, S. 257(1992)67 Gladney, E.S. 251(1991)297 Glen, W.G. 257(1992)229 Glick, M. 259(1992)79

Gloe, K. 257(1992)105 Godinho, O.E.S. 257(1992)35 Gómez, E. 251(1991)305 Gómez Benito, C. 256(1992)105 Gonzalez, A.G. 251(1991)321 González, I. 259(1992)95 Gonzalez Diaz, V. 255(1991)107 Gonzalez Romero, E. 254(1991)81 Gooijer, C. 255(1991)395 Gopal, R. 254(1991)223 Görlach, U. 251(1991)169 Goury, V. 255(1991)423 Graciani, E. 259(1992)115 Grant, A. 253(1991)161 Griepink, B. 259(1992)281 Griffiths, N.M. 253(1991)161 Gross, M. 251(1991)39 Grossmann, O. 257(1992)195 Guerrieri, A. 251(1991)101 Guevremont, R. 254(1991)41, 255(1991)163 Guilard, R. 251(1991)47 Guilbault, G.G. 256(1992)263 Guilluy, R. 259(1992)193 Günther, K. 259(1992)165 Guo, X. 259(1992)289 Gurira, R.C. 251(1991)109 Gustavo Gonzalez, A. 257(1992)29 Gustavsson, A. 259(1992)243 Gutzman, D.W. 256(1992)183 Guzman, M. 253(1991)1

Haak, J.R. 254(1991)75 Haapakka, K. 252(1991)65, 256(1992)17 Haerdi, W. 252(1991)173 Haggart, R. 255(1991)269 Hale, P.D. 251(1991)121 Hamon, M. 254(1991)33, 254(1991)89 Hampel, W.A. 258(1992)275 Hampp, N. 256(1992)257 Han, J. 252(1991)47 Hannoun, M. 259(1992)175 Harriott, M. 258(1992)325, 259(1992)33 Harris, S.J. 254(1991)75 Hartmann Webster, G.H. 257(1992)309 Haselager, N.G. 252(1991)89 Hassan, S.M. 255(1991)103 Hatta, A. 253(1991)239 Hauge, S. 251(1991)197 Hauser, P.C. 255(1991)35 Hayashi, J. 259(1992)67 He, Q. 259(1992)305 He, X.-C. 256(1992)113 Hedlund, P. 259(1992)243 Hemmilä, I.A. 256(1992)9 Hermon, H. 253(1991)155, 259(1992)181 Hernández-Cassou, S. 255(1991)325 Hernández, L. 259(1992)325, 260(1992)19 Hernández, P. 259(1992)325 Hernández López, M. 255(1991)311 Herráez-Hernández, R. 257(1992)89 Hidalgo, M. 251(1991)233 Hieftje, G.M. 256(1992)97, 259(1992)79 Higashijima, T. 251(1991)191 Hladík, J. 257(1992)73 Hoashi, M. 259(1992)289 Hobo, T. 259(1992)67 Hofstraat, J.W. 258(1992)11 Holler, F.J. 252(1991)29 Holthuis, J.J.M. 257(1992)257 Höltkemeier, J. 260(1992)107 Holzer, G. 259(1992)225 Hou, W. 257(1992)275 Hsieh, A.-K. 256(1992)237 Hsu, C.-G. 257(1992)117 Hu, S. 259(1992)305 Hu, W. 259(1992)319 Hu, Z.-D. 256(1992)113 Huang, B. 251(1991)187 Huang, H.-J. 258(1992)245 Huang, X.Z. 256(1992)285 Huang, Z.-H. 259(1992)185 Huie, C.W. 254(1991)189 Hulanicki, A. 257(1992)67 Hume, D.N. 251(1991)3 Hurtubise, R.J. 255(1991)335, 257(1992)139 Hušek, P. 259(1992)185 Hutch, B. 251(1991)169

Ianni, M.C. 260(1992)99 Ibáñez, J.G. 259(1992)95 Ibrahim, F. 255(1991)103 Iida, C. 256(1992)277 Ikekawa, N. 256(1992)319 Imai, K. 251(1991)247 Imamichi, S. 251(1991)255 Imasaka, T. 251(1991)191, 256(1992)3 Imasama, T. 255(1991)97 Imbert, J.-L. 256(1992)153 Isenhour, T.L. 254(1991)215 Ishibashi, N. 251(1991)191, 255(1991)97, 256(1992)3 Isoyama, H. 256(1992)277 Issopoulos, P.B. 257(1992)203 Ito, K. 252(1991)23 Ittipornkul, S. 254(1991)197 Iturriaga, H. 259(1992)219 Ivaska, A. 259(1992)211 Iwata, Y. 259(1992)159

Jacintho, A.O. 258(1992)129 Jackwerth, E. 254(1991)65 Jaffrezic-Renault, N. 256(1992)251 James, B.D. 255(1991)187 Jammet, G. 256(1992)163 Jančářová, I. 254(1991)21 Janovics, I. 253(1991)205

Janowicz, K. 252(1991)127

Jansen, E.H.J.M. 255(1991)359, 255(1991)363

Janssen, L.H.M. 257(1992)257

Jensen, E.S. 252(1991)201

Jespersen, N.D. 251(1991)95

Jiang, Z.-L. 260(1992)45

Jiao, K. 260(1992)35

Jiménez Abizanda, A.I. 252(1991)107

Jiménez Moreno, F. 252(1991)107

Jimidar, M. 255(1991)177

Jin, W. 252(1991)59, 259(1992)319, 260(1992)35

Johansson, G. 256(1992)75

Johnson, B.F. 255(1991)127

Johnson, D.C. 260(1992)1

Jones, P. 258(1992)123

Jordan, J. 251(1991)59

Judd, R.J. 255(1991)31

Jumeau, E.J. 259(1992)193

Jun, Z. 251(1991)269

Jurs, P.C. 258(1992)183, 258(1992)199

Kadenko, I. 256(1992)323

Kadish, K.M. 251(1991)47

Kallury, R.K. 255(1991)73

Kamiura, T. 254(1991)27

Kanda, S. 251(1991)247

Kanický, V. 254(1991)21

Kankare, J. 252(1991)65, 256(1992)17

Kappes, R.A. 251(1991)281

Karan, H.I. 251(1991)121

Karpas, Z. 259(1992)333

Karpinchik, O.S. 259(1992)145 Karube, I. 251(1991)129, 251(1991)135, 257(1992)183

Kateman, G. 258(1992)11

Kato, F. 252(1991)77

Katsu, T. 254(1991)95

Katsura, T. 252(1991)77

Kawabata, Y. 255(1991)97

Kawaraya, T. 254(1991)27 Kayamoto, T. 254(1991)95

Keller, H.R. 256(1992)125, 259(1992)267

Kernen, P. 259(1992)355

Khalaf, S. 259(1992)175

Khalifa, M.E. 251(1991)207

Khamis, M. 259(1992)175

Khil'chevskaya, E.G. 255(1991)197

Kiba, N. 256(1992)221, 259(1992)15

Kido, T. 255(1991)83

Kiechle, P. 256(1992)125

Kihara, S. 259(1992)25

Kikuchi, Y. 256(1992)311

Kimura, K. 252(1991)41

King, G. 259(1992)267

Kittel, S. 258(1992)329

Klappa, S.A. 259(1992)89

Klein, M. 256(1992)33

Knox, S. 258(1992)259

Kobayashi, Y. 252(1991)211

Koenig, J.L. 253(1991)21

Kohen, F. 255(1991)417

Kokot, S. 259(1992)267

Kolev, S.D. 254(1991)167, 256(1992)301, 257(1992)317, 257 (1992)331

Kollie, T.O. 259(1992)1

Komarova, T.V. 254(1991)61

Komorsky-Lovrić, Š. 258(1992)299

Kompanetz, O.N. 251(1991)169

Koncki, R. 257(1992)67

Kondyurin, A.V. 253(1991)183

Konings, R.J.M. 253(1991)251

Koochaki, Z.B. 257(1992)21

Kopprasch, S. 255(1991)373

Korver, M.P. 251(1991)281

Kowagoe, J.L. 260(1992)1

Kozulin, A.T. 253(1991)183

Krähenbühl, U. 254(1991)119

Krenn, K.-D. 257(1992)165 Kroschwitz, H. 255(1991)413

Krug, A. 256(1992)263

Krull, U.J. 255(1991)73, 257(1992)49, 257(1992)239

Krüttli, M. 255(1991)35

Krzymińska, A. 257(1992)135

Kubáň, V. 254(1991)21, 259(1992)45

Kudryavtsev, G.V. 257(1992)109

Kuehne, H. 255(1991)373

Kulmala, S. 252(1991)65, 256(1992)17

Kulp, T.J. 255(1991)275

Kurtz, K.S. 254(1991)201

Kurzawa, J. 252(1991)127

Kurzawa, Z. 252(1991)127, 257(1992)135

Kuselman, I. 256(1992)65

Kuvik, V. 256(1992)163

Kuyavskaya, B.I. 256(1992)65

Laan, C.A. 255(1991)359

Lacombe, S. 256(1992)153

Ladde, A. 251(1991)117 Lal, D. 260(1992)113

Lan, H.L. 251(1991)121

Langford, C.H. 256(1992)183

Lanin, S.N. 251(1991)223

Lanzi, M. 255(1991)59

Laserna, J.J. 253(1991)145, 259(1992)203

Lati, E. 254(1991)89

Lauschke, G. 255(1991)373

Lay, P.A. 255(1991)31

Le. K. 257(1992)73

Le, X.-C. 258(1992)307

Leaback, D.H. 255(1991)269

Lechner, J.F. 254(1991)99

Lecouteux, C. 256(1992)163 Lee, S. 257(1992)183

Lee, T. 260(1992)113

Leiner, M.J.P. 255(1991)209 Leiwongcharoen, K. 260(1992)65 Lejeune, R. 256(1992)59 Lenaz, G. 255(1991)367 León-González, M.E. 258(1992)269 Le Perchec, P. 256(1992)251 Leroux, N. 253(1991)81 Leszczyński, P. 257(1992)67 Lev, O. 256(1992)65 Lewandowski, W. 253(1991)211 Leyseele, D. 255(1991)417 Li, H. 257(1992)15 Li, J. 252(1991)205 Li, P. 259(1992)211 Li, Q. 258(1992)171 Li, Y.Q. 256(1992)285 Liang, W. 254(1991)153 Lima, J.L.F.C. 254(1991)177 Lin Ling, B. 255(1991)283 Littlejohn, D. 258(1992)1 Liu, A. 252(1991)53 Liu, X. 258(1992)171 Liu, Y.-M. 255(1991)245 Liu, Y.H. 251(1991)47 Liunggren, L. 256(1992)75 Long, G.R. 259(1992)89 López, H. 257(1992)155 López, M.C. 257(1992)155 Lopez-Nieves, M. 258(1992)253 Loran, C.P. 258(1992)335 Lorenti, G. 255(1991)59 Louwerse, D.J. 256(1992)349 Lovrić, M. 258(1992)299 Lu, J. 259(1992)123 Lu, R. 257(1992)15 Luciani, M. 252(1991)17 Lui, K. 259(1992)211 Łukaszewski, Z. 260(1992)25 Lukyanenko, N.G. 259(1992)145 Lumsdon, J. 253(1991)257 Luoma, D.A. 253(1991)61 Lynch, J.A. 251(1991)59 Lysenko, V.V. 251(1991)223

Madec, C. 257(1992)301
Madrid, Y. 252(1991)161
Madungwe, L. 251(1991)109
Magee, R.J. 255(1991)187
Magi, E. 260(1992)99
Magrisso, M.J. 256(1992)29
Mahuzier, G. 255(1991)343
Makayssi, A. 251(1991)69
Maki, Y. 252(1991)211
Maldonado, M. 259(1992)203
Mangia, A. 259(1992)257
Manojlović, D.D. 258(1992)161
Marcé, R.M. 259(1992)237

Marengo, E. 258(1992)93 Marøy, K. 251(1991)197 Marques, E.P. 254(1991)245 Marshall, J.C. 254(1991)215 Martinelli, E.M. 259(1992)109 Martínez Calatayud, J. 256(1992)105 Martín Herrera, J.L. 252(1991)133 Masana, A. 251(1991)233 Maspoch, S. 259(1992)219 Massart, D.L. 255(1991)177, 256(1992)125, 259(1992)267 Mathews, C.K. 260(1992)135 Matsui, M. 259(1992)25 Matsumoto, K. 252(1991)77 Matsushita, R. 259(1992)15 Matsute, M. 252(1991)41 Matsuzawa, K. 252(1991)181, 256(1992)91 Mauchien, P. 254(1991)145 Mauras, Y. 251(1991)183 Mazzei, F. 255(1991)59 McClure, P.C. 251(1991)281 McKervey, M.A. 254(1991)75 Medary, R.T. 258(1992)341 Medina Hernández, M.J. 252(1991)133 Mekenyan, O. 260(1992)69 Melnik, O.T. 259(1992)145 Menges, R.A. 255(1991)157 Mentasti, E. 258(1992)237 Metzner, H. 260(1992)35 Meyerhoff, M.E. 258(1992)281 Migchels, P. 253(1991)81, 253(1991)89 Mike, J.H. 254(1991)109, 259(1992)73 Mikov, S.N. 253(1991)183 Miletić, S. 255(1991)15 Miller, D.T. 251(1991)281 Mincey, D.W. 254(1991)109 Mink, J. 253(1991)205 Miyazaki, S. 259(1992)25 Mizoshita, S. 251(1991)129 Mizuike, A. 252(1991)211 Mizuseki, H. 253(1991)239 Mlakar, M. 260(1992)51 Mo, Z. 251(1991)143 Mohr, K.H. 252(1991)145 Molnár-Perl, I. 257(1992)209 Montero, R. 252(1991)83 Montes, R. 253(1991)145 Montesinos, J.L. 254(1991)177 Montoro, R. 258(1992)61 Moors, M. 255(1991)177 Moreira De Campos, L.M. 254(1991)33 Moret, E.E. 257(1992)257 Morin, M. 251(1991)215 Moriya, T. 256(1992)221 Moronta, A.J. 257(1992)147 Moser, J.U. 255(1991)91 Moser-Veillon, P.B. 258(1992)317 Motomizu, S. 251(1991)269

Moulin, C. 254(1991)145 Mozammil, M. 252(1991)115

Mühl, P. 257(1992)105 Muia, L. 251(1991)177

Mukai, H. 259(1992)25

Müller, H. 251(1991)117, 252(1991)7

Muñoz de la Peña, A. 255(1991)317, 255(1991)351, 258 (1992)47

Muralidhar, H.S. 251(1991)205 Muramatsu, H. 251(1991)135 Musiani, M. 255(1991)387

Nagy, G. 254(1991)167, 259(1992)149

Nakadoi, T. 254(1991)27

Nakagawa, G. 252(1991)181, 256(1992)91, 256(1992)277

Nakajima, K. 251(1991)129 Narinesingh, D. 258(1992)141

Naser, N. 254(1991)81 Nassif, J. 251(1991)281

Naughton, A.B.J. 251(1991)95

Navalón, A. 259(1992)345 Navaratne, A. 257(1992)59 Navarro, M. 257(1992)155

Navas Díaz, A. 255(1991)297, 259(1992)61

Navera, E.N. 251(1991)129

Ndou, T.T. 255(1991)351 Needham, M.D. 258(1992)183, 258(1992)199

Neshkova, M. 259(1992)149 Neumeister, V. 255(1991)413 Ng, K.C. 258(1992)73 Ngo, T.T. 258(1992)141 Niazi, S.B. 252(1991)115 Nicolas, P. 260(1992)83

Niederländer, H.A.G. 255(1991)395

Nieman, T.A. 252(1991)29 Niessner, R. 255(1991)231 Nigretto, J.-M. 257(1992)247

Nikolelis, D.P. 257(1992)49, 257(1992)239

Nishitani, A. 251(1991)247 Nishitani, K. 256(1992)3 Nørgaard, L. 255(1991)143 Norinder, U. 259(1992)105 Normand, S. 259(1992)193 Northrup, M.A. 255(1991)275 Novič, M. 251(1991)261

Novic, M. 251(1991)261 Nuwer, M.J. 251(1991)13 Nyholm, L. 257(1992)7

Nyquist, R.A. 253(1991)61, 253(1991)221

Obrezkov, O.N. 254(1991)61 Ochsner, M. 259(1992)355 O'Dea, J.J. 251(1991)13 Oguchi, K. 256(1992)277 Ohno, N. 255(1991)135

Ohtsuka, C. 252(1991)181, 256(1992)91

Okamoto, Y. 251(1991)121 Okamura, E. 253(1991)95 Okuma, H. 260(1992)93 Olson, D.C. 259(1992)37 Olucha, J.C. 259(1992)237 Oms, M.T. 258(1992)177 Ong, T.-H. 256(1992)237 Orly, Z. 256(1992)33 Ortega, F. 257(1992)79 Oshima, M. 251(1991)269

Osteryoung, J. 251(1991)13, 258(1992)289 Otruba, V. 254(1991)21

Ozsoz, M. 254(1991)81

Pablos, F. 251(1991)321
Pacáková, V. 257(1992)73
Pacey, G.E. 254(1991)209
Pachiaudi, C. 259(1992)193
Pai, J.-M. 257(1992)117
Palmisano, F. 251(1991)101
Pancheva, E. 259(1992)149
Panigrahi, B.S. 260(1992)135
Panne, U. 255(1991)231
Parolari, G. 259(1992)257

Parthasarathy, N. 254(1991)1, 254(1991)9

Pastor, T.J. 258(1992)161 Pastore, P. 258(1992)99 Pathak, V. 254(1991)41, 255(1991)163

Patriarche, G.J. 257(1992)41 Patterson, K.Y. 258(1992)317

Peisch, R. 251(1991)281 Peng, T. 257(1992)15

Pereiro García, R. 255(1991)245 Pérez-Arribas, L.V. 258(1992)269 Pérez-Bendito, D. 251(1991)313 Pérez Pavón, J.L. 259(1992)37 Peris-Cardells, E. 256(1992)225 Perrin, J.H. 255(1991)383

Perrin, J.H. 255(1991)383
Perrot, H. 256(1992)251
Persad, D. 258(1992)141
Peter, S. 260(1992)135
Petitjean, O. 260(1992)83
Petrukhin, O.M. 258(1992)135
Petty, C.J. 253(1991)263
Pfeilschifter, J. 259(1992)355
Phillips, D.L. 251(1991)281
Piechocki, C. 251(1991)39
Pifferi, G. 259(1992)109

Pihleri, G. 259(1992)109
Pihlar, B. 251(1991)261
Pin, C. 256(1992)153
Pingarrón, J.M. 252(1991)153
Pinilla, J.M. 260(1992)19
Pintás Szakáss M. 257(1902)

Pintér-Szakács, M. 257(1992)209 Plavšić, M. 255(1991)15 Poch, M. 254(1991)177 Poindexter, B.D. 253(1991)125 Pollevoy, Y. 259(1992)333

Polo-Díez, L.M. 252(1991)153, 258(1992)269

Poole, C.F. 259(1992)1

Porta, V. 258(1992)237

Postma Kelder, S.J. 257(1992)257

Powell, H.K.J. 251(1991)157, 256(1992)81, 256(1992)117

Pradeau, D. 254(1991)33

Prasada Rao, M.S. 257(1992)159

Prat, M.D. 255(1991)325

Premel-Cabic, A. 251(1991)183

Prognon, P. 255(1991)343

Proniewicz, L.M. 253(1991)135

Pungor, E. 254(1991)167, 259(1992)149

Purdy, B.B. 257(1992)139

Purohit, R. 259(1992)53

Pyrzyńska, K. 255(1991)169

Qi, D. 258(1992)27 Qi, P. 254(1991)153 Quentel, F. 257(1992)301 Quevauviller, P. 259(1992)281 Quigley, M.N. 254(1991)41, 255(1991)163

Rama Mohan Rao, A. 257(1992)159 Raman, S. 255(1991)289 Ramanan, V. 260(1992)131 Ramírez, M.T. 259(1992)95 Ramis Ramos, G. 252(1991)133, 257(1992)217, 259(1992)203 Randriamahazaka, H. 257(1992)247 Rao, B.V. 258(1992)167 Rao, C.R.M. 251(1991)205, 260(1992)131 Rao, T.A.S. 251(1991)205 Rapthel, I. 252(1991)145 Rathore, D.P.S. 257(1992)129 Ravera, M. 260(1992)99 Reardon, K.F. 255(1991)223 Rechnitz, G.A. 251(1991)291, 256(1992)39, 257(1992)59 Reddi, G.S. 251(1991)205, 260(1992)131 Redman-Furey, N.L. 251(1991)79 Redón, M. 259(1992)219 Reeves, R.D. 259(1992)289 Reichwald, K. 252(1991)145 Reimer, K.J. 258(1992)307 Reinerink, E.J.M. 255(1991)359, 255(1991)363 Reinhoudt, D.N. 254(1991)75, 257(1992)257 Reis, B.F. 258(1992)129 Renkes, G.D. 253(1991)269 Riba, J. 259(1992)219 Richmond, M.D. 255(1991)335 Rick, D.L. 260(1992)13 Rieker, A. 256(1992)243 Riley, J.P. 252(1991)223 Riou, J.P. 259(1992)193 Risinger, L. 256(1992)75 Rius, F.X. 259(1992)237 Rocher, V. 256(1992)251 Roda, A. 255(1991)259 Rodríguez Gonzalo, E. 259(1992)37

Rojas-Hernández, A. 259(1992)95

Romero, R.A. 257(1992)147

Ronesch, K. 256(1992)163
Rosario, S.A. 258(1992)281
Rosés, M. 256(1992)177, 256(1992)203, 256(1992)211
Roth, M. 253(1991)155, 259(1992)181
Rotunno, T. 251(1991)101
Roy, S.K. 257(1992)123
Rudniev, S.N. 251(1991)169
Rupérez, A. 253(1991)145
Rusling, J.F. 252(1991)23
Rusterholz, B. 255(1991)35
Ruzicka, J. 253(1991)1, 259(1992)37

Sacchetto, G.A. 258(1992)99 Safavi, A. 252(1991)121, 252(1991)167 Sagrado Vives, S. 252(1991)133 Saito, S. 258(1992)289 Sakai, T. 255(1991)135 Salinas, F. 255(1991)317, 255(1991)351, 258(1992)47, 259 (1992)339Salvadò, V. 251(1991)233 Sánchez, M. 257(1992)155 Sánchez-Palencia, G. 259(1992)345 Sanchis Mallols, J.M. 257(1992)217 Santana Rodriguez, J.J. 255(1991)107 Santos-Delgado, M.J. 258(1992)269 Sanz, J. 255(1991)113 Sanz-Medel, A. 255(1991)245 Saravanamuthu, A. 253(1991)101 Sargent, M. 253(1991)21 Sarker, M. 257(1992)229 Sarzanini, C. 258(1992)237 Sawada, K. 256(1992)311 Sazou, D. 251(1991)47 Schaefer, R.G. 260(1992)107 Schelp, C. 255(1991)223 Scheper, Th. 255(1991)223 Schieber, M. 253(1991)155, 259(1992)181 Schneider, M. 256(1992)53 Schröder, H. 255(1991)231 Schulman, S.G. 255(1991)329, 255(1991)383 Schuster, G. 258(1992)275 Schuster, R. 255(1991)373 Schwedt, G. 252(1991)7 Schweitzer, M. 254(1991)41 Scilingo, A. 259(1992)109 Scott, D.A. 256(1992)47 Scott, D.R. 257(1992)229 Seiler, K. 255(1991)35 Sekerka, I. 254(1991)99 Sekimukai, S. 260(1992)93 Semmler, J. 253(1991)189 Senglet, N. 251(1991)47 Seubert, A. 254(1991)45, 256(1992)331, 258(1992)109 Sevilla, III, F. 251(1991)165 Sevilla, M.-T. 260(1992)19 Sevillano-Cabeza, A. 257(1992)89 Shamir, J. 253(1991)155, 259(1992)181

Shelley, P. 253(1991)1 Shepherd, R. 253(1991)161 Shpigun, O.A. 254(1991)61 Sigel, H. 255(1991)63 Sigg, A. 260(1992)57 Silva, F.T. 251(1991)53 Silva, M. 251(1991)313 Simeonsson, J.B. 258(1992)73 Simó Alfonso, E.F. 257(1992)217 Simon, W. 255(1991)35 Sims, K.W.W. 251(1991)297 Siu, G.G. 257(1992)99 Skillen, A.W. 256(1992)47 Skládal, P. 252(1991)11 Skopenko, E.V. 256(1992)323 Skopenko, V.V. 252(1991)1 Skotheim, T.A. 251(1991)121 Smit, H.C. 252(1991)187, 256(1992)349 Smith, E.T. 251(1991)27 Smith, G.N. 257(1992)21 Smits, J.R.M. 258(1992)11 Smyth, M.R. 251(1991)149, 255(1991)45 Snoek, J. 258(1992)11 Sojo, L.E. 258(1992)219 Sonnleitner, B. 255(1991)91 Sørensen, P. 252(1991)201 Sosa Ferrera, Z. 255(1991)107 Speiser, B. 256(1992)243 Spichiger, U.E. 255(1991)35 Spinks, T.L. 254(1991)209 Spohn, U. 252(1991)145 Stan'kov, I.N. 251(1991)223 Stein, K. 252(1991)7 Stoute, V.A. 258(1992)141 Stránský, Z. 256(1992)69 Strelko, V.V. 256(1992)323 Štulík, K. 257(1992)73 Stummeyer, J. 258(1992)329 Sugie, H. 256(1992)277 Sugiura, Y. 251(1991)129 Suleiman, A.A. 256(1992)263 Sun, C. 259(1992)319 Suter, G. 255(1991)35 Suttie, E.D. 258(1992)229 Suzuki, M. 257(1992)183 Suzuki, N. 259(1992)159 Suzuki, T. 256(1992)311 Swanson, S. 257(1992)229 Sweeley, C.C. 259(1992)185 Symons, A.D. 255(1991)31 Syropoulos, A.B. 255(1991)403 Szilágyi, T. 253(1991)29 Szpunar-Łobińska, J. 251(1991)275

Tabata, M. 255(1991)83 Tachibana, M. 251(1991)241

Szymański, A. 260(1992)25

Taha, Z. 252(1991)215 Tahán, J.E. 257(1992)147 Takahashi, H. 260(1992)93 Takahashi, N. 256(1992)311 Takatsuto, S. 256(1992)319 Takenaka, T. 253(1991)95 Takeuchi, T. 251(1991)291 Tamiya, E. 251(1991)129, 251(1991)135, 257(1992)183 Tan, S.S.S. 255(1991)35 Tanaka, M. 254(1991)27 Tanaka, T. 252(1991)211 Tang, Y. 258(1992)83 Tarafder, P.K. 257(1992)129 Tarasov, S.N. 251(1991)223 Teixeira, C.R.R.R. 255(1991)177 Teixeira-Dias, J.J.C. 253(1991)43, 253(1991)107 Telouk, P. 256(1992)153 Telting-Diaz, M. 251(1991)149 Thompson, M.M. 253(1991)15 Thorlacius, A. 251(1991)197 Tibi, A. 255(1991)423 Tikhomirova, T.I. 257(1992)109 Timperi, R.J. 251(1991)281 Titova, N.Yu. 259(1992)145 Tod, M. 260(1992)83 Town, R.M. 256(1992)81 Townsend, R.W. 255(1991)329 Trausch, M. 255(1991)373 Treiner, C. 251(1991)69 Treloar, P.H. 257(1992)21 Trojanowicz, M. 258(1992)281 Tsukamoto, Y. 251(1991)247 Tuñón Blanco, P. 256(1992)231 Turanov, A.N. 257(1992)195 Turner, D.R. 258(1992)259 Tütem, E. 255(1991)121 Tyson, J.F. 258(1992)55

Uchida, T. 256(1992)277 Uchiyama, S. 255(1991)53 Uhlemann, E. 257(1992)105 Umemura, J. 253(1991)95 Umetani, S. 259(1992)25 Umetsu, Y. 255(1991)135 Ura, N. 255(1991)135 Urbańska, J. 259(1992)311 Ure, A.M. 258(1992)1 Urusov, Yu.I. 258(1992)135

Vadgama, P.M. 257(1992)21 Valcárcel, M. 252(1991)83 Valeur, B. 257(1992)189 Valiente, M. 251(1991)233 Van Assema, W. 255(1991)395 Vandeberg, P.J. 260(1992)1 Vandecasteele, C. 257(1992)223 Vandekerckhove, D. 255(1991)417 Van den Berg, C.M.G. 257(1992)281, 257(1992)293

Van den Berg, R.H. 255(1991)359

Van den Boer, M. 254(1991)127

Van der Linden, W.E. 256(1992)133, 256(1992)301, 257 (1992)257, 257(1992)317, 257(1992)331

Van Effen, R.M. 260(1992)13

Van Elteren, J.T. 252(1991)89

Van Grieken, R. 251(1991)177

Vanholder, R. 257(1992)1

Van Loon, J.C. 252(1991)205

Van Renterghem, D. 257(1992)1

Van Sluijs, R. 254(1991)127

Vanslyke, S.J. 257(1992)173

Vazquez, M.L. 255(1991)343

Veillon, C. 258(1992)317

Velasco, A. 251(1991)313

Velthorst, N.H. 255(1991)395

Verboom, W. 257(1992)257

Vercoutere, K. 259(1992)281

Verrept, P. 257(1992)223

Veuthey, J.-L. 252(1991)173

Vidal, J.C. 259(1992)129

Vilchez, J.L. 259(1992)345

Villanueva Camañas, R.M. 257(1992)217

Vincent, F. 255(1991)423

Vire, J.-C. 257(1992)41

Virgili, R. 259(1992)257

Viswanathan, K.S. 260(1992)135

Von Wandruszka, R. 258(1992)335

Vopel, T. 251(1991)117

Vos., J.G. 255(1991)45

Wada, H. 252(1991)181, 256(1992)91

Wadayama, T. 253(1991)239

Wade, A.P. 254(1991)223

Waldner, H. 259(1992)165

Wallace, G.F. 258(1992)317

Wang, E. 252(1991)53, 257(1992)275 Wang, J. 252(1991)59, 252(1991)215, 254(1991)81, 259

(1992)123, 259(1992)319

Wang, K. 255(1991)35

Wang, N. 254(1991)153

Wang, X. 251(1991)187

Wang, Z. 252(1991)205

Wardencki, W. 255(1991)1

Warner, I.M. 255(1991)351

Watanabe, E. 260(1992)93

Weber, W.H. 253(1991)125

Wei, W. 251(1991)143

Weng, P.-S. 256(1992)293

Wentzell, P.D. 254(1991)223, 257(1992)173, 258(1992)253

Whiting, G.S. 259(1992)1

Wijesuriya, D. 256(1992)39

Wikmark, G. 257(1992)7

Wilkening, D.W. 253(1991)61

Williams, T. 259(1992)19

Williams, W.R. 254(1991)189

Windels, G. 257(1992)223

Winefordner, J.D. 258(1992)73

Wolff, E.W. 258(1992)229

Wolff, G.A. 252(1991)223

Wollenberger, U. 254(1991)81

Wright, J.L.C. 254(1991)41, 255(1991)163

Wünsch, G. 254(1991)45, 256(1992)331, 258(1992)329

Xiang, B. 260(1992)75

Xie, T. 259(1992)319

Xiong, R. 251(1991)313

Xiong, X. 258(1992)33

Xu, J.G. 256(1992)285

Xu, S. 251(1991)157, 256(1992)117

Xu, Y.-Y. 256(1992)9

Yamada, K. 256(1992)277

Yamada, M. 259(1992)67

Yamauchi, O. 255(1991)63

Yan, G.F. 255(1991)383

Yáñez-Sedeño, P. 252(1991)153

Yang, J. 259(1992)211

Yang, P. 251(1991)187

Yang, P.W. 253(1991)189

Yang, R. 257(1992)117

Yao, S. 251(1991)143

Yazawa, S. 260(1992)93

Ybañez, N. 258(1992)61

Yeo, G.A. 253(1991)173

100, 0.74. 255(1771)175

Yin, L.-B. 257(1992)229

Ying Tham, S. 251(1991)291 Yokoi, K. 257(1992)293

Yokoyama, M. 252(1991)41

Yuan, D. 251(1991)187

Zagatto, E.A.G. 258(1992)129

Zaitsev, V.N. 252(1991)1, 256(1992)323

Zakharieva-Pencheva, O. 253(1991)227

Zambonin, P.G. 251(1991)101

Zamoro, A. 258(1992)47

Zaranyika, M.F. 251(1991)109

Zatar, N.A. 259(1992)175

Zeegers-Huyskens, Th. 253(1991)81, 253(1991)89

Zerbini, M.L. 255(1991)387

Zhang, G. 260(1992)57

Zhang, P. 258(1992)1

Zhang, Q.W. 259(1992)225 Zhang, Y. 255(1991)329

Zhang, Z. 260(1992)75

Zhao, P. 258(1992)27

Zhao, Z. 259(1992)305

Zhou, X. 258(1992)33

Zhu, C. 256(1992)97

Zhu, Y.-Z. 258(1992)33

Zilberstein, J. 256(1992)33

Zimmermann, T. 255(1991)373

Zuberbühler, A.D. 255(1991)63 Zukowski, J. 258(1992)83

Zupan, J. 259(1992)237

Zygmunt, B. 255(1991)1

SUBJECT INDEX VOLUMES 251-260



A

Ab initio SCF-MO

I.r. spectrometry; Raman spectrometry; Conformational stability; Methyl acrylate; 4–31G level, Deuterated methylacrylate, s-cis and s-trans conformers 253(1991)43

Acenaphthene

Fluorimetry; Chemiluminescence; Cyclodextrin; Phosphorescence; 2-Bromoethanol 255(1991)351

Acepromazine

Fluorimetry; T.l.c.; Fibre-optic sensor; Phenothiazines; Propiomazine; In situ scanning 255(1991)297

Acetic acid

Potentiometry; Titrimetry; Basicity; Lysine; Proteins; Screened indicator 256(1992)177

Titrimetry; Amphiprotic solvents; Arginine; Dissociation constants; Ionic equilibria; Lysine; Diprotic bases, Low dielectric constant 256(1992)203

Titrimetry; Amphiprotic solvents; Arginine; Buffer capacity; Ionic equilibria; Lysine; Diprotic bases, Low dielectric constant, Monoprotic bases 256(1992)211

Acetylcholine

Voltammetry; Biosensors; Carbon fibre electrodes; Enzyme electrodes; Hydrogen peroxide, Ultramicro sensors 251(1991)

Flow system; Spectrophotometry; Choline; Extraction; Thermochromism; Ion association complexes, Tetrabromophenolphthalein ethyl ester 255(1991)135

Acetylcholinesterase

Fluorimetry; Amphiphiles; Enzyme-substrate reactions; Nitrobenzoxadiazoledipalmitoylphosphatidylethanolamine; Fluorescence transduction 255(1991)73

Acetylene

I.r. spectrometry; Ethylene; Platinum/silica catalyst; Fourier transform, Hydrogen effect, Surface species 253(1991)29

Acetylpenicillamine thionitrite

Kinetic analysis; Voltammetry; Butyl hydroperoxide; Electron transfer reactions; Reduction; Irreversible reactions, Squarewave 251(1991)13

Achiral stationary phases

Gas chromatography; Amines; Amino acids; Enantiomers; Optical isomers 251(1991)223

Achondrites

Hafnium; Meteorites; NAA; Zirconium 254(1991)119

Acid-base equilibria

Reflectance spectrometry; Fibre optics; Immobilized acidbase indicators; Indicators; Acidity constants, Kubelka-Munk functions, Solvent model 251(1991)165

Acidity constants

Potentiometry; Spectrophotometry; Titrimetry; Dioxanewater; pH correction factors; Autoprotolysis constants 251(1991)321

Potentiometry; Titrimetry; Glass electrodes; Hydrogen ion concentration; pH; Stability constants 255(1991)63

Flow system; Evolving factor analysis; Indicators; Multivariate methods; pH gradients 255(1991)143

Acid rain

Principal components; At. abs. spectrometry; Cross-validation; Factor analysis; Rain water; Waters 258(1992)1

Acoustic emission

Electrolysis; Frequency-domain representation; Time-domain representation; Waters 254(1991)223

Acrylamide quenching

Fluorescence; Micelles; Quenching 258(1992)335

Acylation

Liquid chrom.; Silica gels; Gas-phase 255(1991)197

Adenosine-5'-triphosphate

Enthalpimetry; Catalytic activity; Enzyme reactor; Erythrocyte membrane; Sodium, potassium adenosine-5'-triphosphatase; Batch microcalorimetry, Hydrolysis 252(1991)17

Adenosine triphosphate

Chemiluminescence; Bacteria; Sterility; Injectable preparations 255(1991)423

Adsorbents

Caesium; Gamma spectrometry; Immobilization; Waters; Orthomolybdophosphate bonded groups 256(1992)323

Adsorption

Gas chromatography; Capillary transfer tubing; Capacity factors 251(1991)83

Gel perm. chromatogr.; Humic substances; Molecular size; Disodium tetraborate-pyrophosphate eluent, Membrane filtration 256(1992)81

Adsorption stripping

Potentiometry; Reversible reactions, Stirred and unstirred solutions 252(1991)59

Adsorptive stripping

Flow system; Voltammetry; Folic acid 252(1991)47

Aflatoxins

Chemiluminescence; Cyclodextrins; Fluorescence enhancement 255(1991)343

Air

Liquid chrom.; Aldehydes; Exhaust gas; Gases; Stack gas; Bubbler, 2,4-Dinitrophenylhydrazones 257(1992)99

Albumin

Anod. stripping voltammetry; Cyclic voltammetry; Diffl. pulse voltammetry; Complexation; Zinc; Charge transfer rate constant, Conditional stability constant, Glassy carbon, Nafion coating 259(1992)129

Aldehydes

Liquid chrom.; Air; Exhaust gas; Gases; Stack gas; Bubbler, 2,4-Dinitrophenylhydrazones 257(1992)99

Flow system; Aromatic aldehydes 258(1992)253

Aldicarb

Liquid chrom.; Spectrophotometry; Carbamates; Carbaryl; Carbofuran; Pesticides; Photodegradation; Sea water; Waters; Diode-array detection 254(1991)235

Algae

Pattern recognition; Flow cytometry; Neural networks; Cyanobacteria 258(1992)11

Alizarin-modified electrode

Diffl. pulse voltammetry; Aluminium; Soils; Portable monitor 251(1991)157

Alkali metals

Alkaline earth metals; Extraction; Lithium chloride; Acylpyrazolones 257(1992)105

Alkaline earth metals

Alkali metals; Extraction; Lithium chloride; Acylpyrazolones 257(1992)105

Fluorimetry; Aluminium; Cation complexation; Coumarin 153; Crown ethers; Monoaza-15-crown-5 257(1992)189

Alkaline phosphatase

Amperometry; Aminophenol; Serum; Cellulose acetate membrane, Kinetic response 257(1992)21

Alkyl acetates

I.r. spectrometry; Carbonyl stretching, Intramolecular hydrogen bonding, Solvent acceptor numbers 253(1991)221

Alkylalkoxysilanes

Anod. stripping voltammetry; Voltammetry; Sodium; Squarewave voltammetry 258(1992)289

Alkylammonium ions

Extraction; Foam extraction; Polyurethane foam; Dipicrylaminates, Tetraphenylborates 260(1992)123

Alkylbenzenes

Gas chromatography; Quantitative structure-retention relationships; Linear models 260(1992)69

Alkyl chloroformates

Gas chromatography; Amines; Aminoalcohols 259(1992)185

Alkyltin compounds

At. abs. spectrometry; Electrotherm. atomization; Chemical modifiers; Paints; Tin; Sea water; Graphite furnace, Organopalladium compounds, Sensitivity enhancement 252(1991)77

Alloys

Spectrophotometry; Bismuth; Extraction; Pharmaceuticals; 1-Naphtylmethyltriphenylphosphonium tetraiodobismuthate(III) 256(1992)87

Potentiometry; Titrimetry; Gold; 2,2'-Bipyridine, Cobalt(II) redox titration, 1,10-Phenanthroline 258(1992)167

Spectrophotometry; Cobalt; Di-2-pyridyl ketone hydrazones 259(1992)175

Polarography; Manganese; Catalytic oxidation, Fuchsin, Oscillopolarographic detection 260(1992)45

Alphamethrine

Electrophoresis; Cypermethrine; Pesticides; Pyrethroid insecticides; Soils; Waters; Capillary isotachophoresis, Hydrolysis 256(1992)69

Aluminium

Diffl. pulse voltammetry; Alizarin-modified electrode; Soils; Portable monitor 251(1991)157

Amperometry; Flow system; Soils; 1,2-Dihydroxyanthraquinone-3-sulphonic acid complex 256(1992)117

Diffl. pulse polarography; Haemodialysis water; High-pressure digestion; Microwave digestion; Waters; Dialysis units, Total soluble aluminium 257(1992)147

Fluorimetry; Alkaline earth metals; Cation complexation; Coumarin 153; Crown ethers; Monoaza-15-crown-5 257(1992)

Chromatography; Fluoride; Waters 258(1992)123

Flow system; Potentiometry; Amplification; Ion-selective electrodes; Uranium; Copper 259(1992)149

Aluminium alloys

At. emission spectrom.; Flow system; Electrolytic dissolution; Plasmas; Inductively coupled 251(1991)187

Amines

Gas chromatography; Achiral stationary phases; Amino acids; Enantiomers; Optical isomers 251(1991)223

Gas chromatography; Methylamines; Preconcentration; Sea water; Sediments; Waters; Microdiffusion, Volatile amines 252(1991)223

Gas chromatography; Alkyl chloroformates; Aminoalcohols 259(1992)185

Amino acids

Gas chromatography; Achiral stationary phases; Amines; Enantiomers; Optical isomers 251(1991)223

Spectrophotometry; Cysteine; Cystine; Copper(II)-neocuproin reagent, Soybean protein hydrolysate 255(1991)121

Spectrophotometry; Lysine; Proteins; Furfuraldehyde 257 (1992)209

Chemiluminescence; Flow system; Reversed micelles; Schiff bases; Sodium bis(2-ethylhexyl)sulphosuccinate 259(1992)67

Liquid chrom.; Copper; Sea water; Waters; Reversed-phase C₁₈-silica, LiChrosorb 260(1992)99

Aminoalcohols

Gas chromatography; Alkyl chloroformates; Amines 259 (1992)185

Aminobutyric acid

Liquid chrom.; Biological samples; Cadaverine; Polyamines; Putrescine; Spermidine; Spermine; Electrochemical detection, Gradient elution, o-Phthalaldehyde-β-mercaptoethanol precolumn derivatization, Rat tissues 251(1991)101

Aminophenol

Amperometry; Alkaline phosphatase; Serum; Cellulose acetate membrane, Kinetic response 257(1992)21

Amitriptyline

Spectrophotometry; Blood; Imipramine; Perphenazine; Pharmaceuticals; Serum; Diode array, Simultaneous 252(1991)107

Ammonia

Flow system; Spectrophotometry; Creatinine; Enzyme reactor; Urine; Immobilized glutamine synthetase 255(1991)83

Ammonium

Mass spectrometry; Diffusion; Nitrate; Nitrogen; Polytetrafluoroethylene traps; Soils 252(1991)201

Ammonium electrode

Flow system; Ion exchange; Potentiometry; Bioreactor media; Glutamine 258(1992)281

Amphetamines

At. abs. spectrometry; Flow system; Extraction; Pharmaceuticals; Urine; Metal dialkyldithiocarbamates, Isobutyl methyl ketone 252(1991)83

Raman spectrometry; Mefenorex; Pemoline; Pentylenetetrazole; Pharmaceuticals; Sports doping; Stimulant drugs; Colloidal silver, Surface enhanced 253(1991)145

Amphiphiles

Fluorimetry; Acetylcholinesterase; Enzyme-substrate reactions; Nitrobenzoxadiazoledipalmitoylphosphatidylethanolamine; Fluorescence transduction 255(1991)73

Amphiprotic solvents

Titrimetry; Acetic acid; Arginine; Dissociation constants; Ionic equilibria; Lysine; Diprotic bases, Low dielectric constant 256(1002)203

Titrimetry; Acetic acid; Arginine; Buffer capacity; Ionic equilibria; Lysine; Diprotic bases, Low dielectric constant, Monoprotic bases 256(1992)211

Amplification

Flow system; Potentiometry; Aluminium; Ion-selective electrodes; Uranium; Copper 259(1992)149

Analytical balance detector

Flow system; Gravimetry; Precipitate weight 258(1992)129

Anhydrous / hydrated metal complexes

I.r. spectrometry; Raman spectrometry; Chromium benzoate/salicylate; Iron(III) benzoate/salicylate; Silver benzoate/salicylate; Aromatic system 253(1991)211

Anion-sensing membranes

Potentiometry; Ion-sensitive field effect transistors; Polyion complex bilayers; Dioctadecyldimethylammonium poly(styrene sulphonate) 252(1991)41

Antarctic snow

At. abs. spectrometry; Heavy metals; Preconcentration 258(1992)229

Anthelmintics

Potentiometry; Ion-selective electrodes; Pyrantel; Poly(vinyl chloride), Protein interference 256(1992)257

Anthocyanins

Liquid chrom.; Bilberries; Eigenvector projection; Fruits; Vaccinium myrtillus; Degradation, Stability 259(1992)109

Anthracene

Electrophoresis; Fluorimetry; Polynuclear aromatic hydrocarbons; Coal, Cyclodextrin modified, Helium-cadmium laser, Oil 256(1992)3

Antibiotics

Chemiluminescence; Cephalosporins; Cephalothin; Cobalt(II), Hydrogen peroxide, Luminol 255(1991)383

Chemiluminescence; Flow system; Pharmaceuticals; Tetracyclines; Hexacyanoferrate(III), Lucigenin 255(1991)403

Antibodie

Fluorimetry; Immunoassay; Antigens; Charge-coupled detector camera; Microscopy; Cooled slow-scan 255(1991)269

Antiepilepsirine

Polarography; Pharmaceuticals 258(1992)171

Antigen

Fluorimetry; Immunoassay; Antibodies; Charge-coupled detector camera; Microscopy; Cooled slow-scan 255(1991)269

Antimony

Activ. analysis; Ion exchange; Arsenic; Geological materials; Molybdenum; Rocks; Silicates; Tungsten; Alumina inorganic ion exchange, Epithermal neutron activation 251(1991)297

At. abs. spectrometry; Flow system; Hydride generation; Sea water; Waters; Continuous flow 252(1991)161

At. abs. spectrometry; Hydride generation; Arsenic; Tin 258(1992)307

Antioxidants

Amperometry; Diffl. pulse voltammetry; Flow system; Butylhydroxyanisole; Butylhydroxytoluene; Corn oil; Diethyl ether; Foods; Glassy carbon electrode 252(1991)153

Apricol

Principal components; Pattern recognition; Fruits; Partial least squares; Sensory evaluation 259(1992)257

Aqueous organic systems

Fluorimetry; Brønsted activity factors; Fluorescent indicator;

pH; Acetonitrile-water mixtures, Dissociation reaction, 2-Hydroxybiphenyl, Reprotonation reaction 255(1991)329

Arginine

Titrimetry; Acetic acid; Amphiprotic solvents; Dissociation constants; Ionic equilibria; Lysine; Diprotic bases, Low dielectric constant 256(1992)203

Titrimetry; Acetic acid; Amphiprotic solvents; Buffer capacity; Ionic equilibria; Lysine; Diprotic bases, Low dielectric constant. Monoprotic bases 256(1992)211

Aromatic aldehydes

Flow system; Aldehydes 258(1992)253

Arsenate

Activ. analysis; At. abs. spectrometry; Hydride generation; Precipitation; Speciation; Waters; Molybdate complex, Tetraphenyl phosphonium chloride 252(1991)89

Arsenic

Activ. analysis; Ion exchange; Antimony; Geological materials; Molybdenum; Rocks; Silicates; Tungsten; Alumina inorganic ion exchange, Epithermal neutron activation 251(1991)297

Spectrophotometry; Arsine generation; Glasses; Gas-phase molecular absorption spectrometry, Inorganic 255(1991)113

At. abs. spectrometry; Seafood products; Hydride generation 258(1992)61

At. abs. spectrometry; Hydride generation; Antimony; Tin 258(1992)307

Arsine generation

Spectrophotometry; Arsenic; Glasses; Gas-phase molecular absorption spectrometry, Inorganic 255(1991)113

Arson analysis

Gas chromatography; Mass spectrometry; Expert system; Petroleum distillates 259(1992)225

Artificial intelligence

Spectrophotometry; Colorimetry; Iron; Robots; Standard addition; Aqueous samples, Bathocuproine 254(1991)215

Curve fitting; Data handling; Maximum tolerance 256(1992) 361

Potentiometry; Computer-based system 258(1992)33

Ascorbic acid

Amperometry; Biosensors; Enzyme electrodes; Fruit juices; Plant-tissue electrodes; Cucumber juice 255(1991)53

Avidin-peroxidase conjugate

Spectrophotometry; Biotin; Enzyme activity; Immunobiotin; Polystyrene beads, Solid-phase assay 251(1991)291

Azidothymidine

Bayesian method; Linear calibration method 260(1992)83

Aziridinylquinones

D.c. polarography; Benzoquinones; Electronic substituent constants; Naphthoquinones; Quantitative structure-electrochemistry relationships 257(1992)257

B

Bacillus subtilis metabolites

Gas chromatography; Biological samples; Sample introduction; Automation, On-line 255(1991)91

Background correction

At. emission spectrom.; Electrotherm. atomization; Transient signals; Wavelength modulation; Quartz refractor plate 257(1992)223

Bacteria

Chemiluminescence; Adenosine triphosphate; Sterility; Injectable preparations 255(1991)423

Barium

Spectrophotometry; Ceramics; Copper; Superconductors; Yttrium; Partial least-squares regression 257(1992)195

Barium titanate

Titrimetry; Thermom. analysis; Enthalpimetry; Ferroelectric temperature sensors; Temperature sensors; Ferroelectric ceramics, Thermometric redox titrations, Wheatstone bridge 251(1991)59

Basicity

Potentiometry; Titrimetry; Acetic acid; Lysine; Proteins; Screened indicator 256(1992)177

Batch injection

Potentiometry; Foods; Ion-selective electrodes; Waters 252(1991)215

Voltammetry; Anod. stripping voltammetry; Metals; Trace metals 259(1992)123

Bayesian method

Azidothymidine; Linear calibration method 260(1992)83

Beer

Flow system; Liquid chrom.; Enzyme reactor; Dextrins; Oligosaccharides; Co-immobilized, Postcolumn 257(1992)79

Benomyl

Diffl. pulse voltammetry; Pesticides; Modified graphite electrode, OV-17 silicone 259(1992)325

Bentazone

Fluorimetry; Herbicides; Pesticides; Dimethylformamide solvent 259(1992)61

Benzo[a]pyrene

Fluorimetry; Perylene; Polynuclear aromatic hydrocarbons; Sea water; Micellar media, Triton X-100 255(1991)107

Benzo[b]carbazole

Fluorimetry; Spectrophotometry; Bibenzyl; Naphthacene; Polycyclic aromatic compounds; Zone melting; Diffusion coefficients 251(1991)241

Benzoquinones

D.c. polarography; Aziridinylquinones; Electronic substituent constants; Naphthoquinones; Quantitative structure-electrochemistry relationships 257(1992)257

Benzydamine

Chemiluminescence; Liquid chrom.; Dipyridamole; Pharmaceuticals; Plasma; Peroxyoxalate 251(1991)247

Benzyltributylammonium dichromate extraction

Spectrophotometry; Chromium 259(1992)33

Beryllium

Extraction; Rare earth elements; Scandium; Yttrium; Bis(4-acylpyrazol-5-one) derivatives, Polymethylene chain length, Steric effects 259(1992)25

Voltammetry; Ores; Adsorption, Beryllon III 259(1992)319

Beverages

Liquid chrom.; Extraction; Food additives; Aspartame, Benzoic acid, Saccharin, Sorbic acid 255(1991)177

Bibenzyl

Fluorimetry; Spectrophotometry; Benzo[b]carbazole; Naphthacene; Polycyclic aromatic compounds; Zone melting; Diffusion coefficients 251(1991)241

Bilberries

Liquid chrom.; Anthocyanins; Eigenvector projection; Fruits; Vaccinium myrtillus; Degradation, Stability 259(1992)109

Biological activity

Gas chromatography; Principal components; Polychlorinated biphenyls 259(1992)89

Biological materials

Mass spectrometry; Isotope dilution, Zinc 258(1992)317

Biological samples

Liquid chrom.; Aminobutyric acid; Cadaverine; Polyamines; Putrescine; Spermidine; Spermine; Electrochemical detection, Gradient elution, *σ*-Phthalaldehyde-β-mercaptoethanol precolumn derivatization, Rat tissues 251(1991)101

Fluorimetry; Liquid chrom.; Carbohydrates; Fructose; Glucose; Plant materials; Serum; Wines; Post-column fluorigenic reaction 252(1991)173

At. abs. spectrometry; Electrotherm. atomization; Cobalt; Human liver 254(1991)113

Gas chromatography; Bacillus subtilis metabolites; Sample introduction; Automation, On-line 255(1991)91

Chemiluminescence; Fluorimetry; Biosensors; Blood; Carbon dioxide; Glucose; Oxygen; pH; Review; Biomedical 255(1991) 209

At. emission spectrom.; Extraction; Inorganic constituents; Plasmas; EDTA, Inductively coupled, Tetramethylammonium hydroxide 256(1992)277

Activ. analysis; Rare earth elements; Standard reference materials; Coprecipitation 259(1992)159

Bioreactor media

Flow system; Ion exchange; Potentiometry; Ammonium electrode; Glutamine 258(1992)281

Biosensors

Amperometry; Enzyme electrodes; Glucose; Photolithographically patterned enzyme membrane 251(1991)117

Voltammetry; Acetylcholine; Carbon fibre electrodes; Enzyme electrodes; Hydrogen peroxide, Ultramicro sensors 251(1991) 129

Chemiluminescence; Immunoassay; Immunoglobulin; Immunosensors; Wafers; Bioselective matrix 252(1991)1

Potentiometry; Enzyme inhibition; Ion-sensitive field effect transistors; Pesticides; Waters; Acetylcholinesterase, Dichlorvos 252(1991)7

Amperometry; Carbamate pesticides; Enzyme electrodes; Organophosphorus pesticides; Pesticides; Cholinesterase membrane, Cobalt phthalocyanine-modified carbon paste electrode 252(1991)11

Amperometry; Electrodes; Peroxidase-modified electrodes; Organic peroxides 254(1991)81

Amperometry; Ascorbic acid; Enzyme electrodes; Fruit juices; Plant-tissue electrodes; Cucumber juice 255(1991)53

Amperometry; Catechol; Enzyme electrodes; Plant-tissue electrodes; Potato slices 255(1991)59

Chemiluminescence; Fluorimetry; Biological samples; Blood; Carbon dioxide; Glucose; Oxygen; pH; Review; Biomedical 255(1991)209

Fluorimetry; Enzyme reactor; Ethanol; Fibre-optic sensor; Formate; Glucose; Lactate; Mannitol; Phenylpyruvate; Pyruvate; Enzyme/coenzyme immobilization, Liquid membrane 255(1991)223

Chemiluminescence; Enzyme reactor; Fibre-optic sensor; Poly(vinyl alcohol) matrix; Self-containment; Flavin cofactor, Immobilized 255(1991)253

Chemiluminescence; Flow system; Enzyme reactor; Lactate; Microorganisms; Milk; Serum; Immobilized, Nylon coil 255(1991)259

Potentiometry; Chemoreceptors; Crayfish; Pyrazinamide; Video imaging inverted biological microscope 256(1992)39

Blood; Cholesterol; Enzyme reactor; Fibre-optic sensor; Serum; Cholesterol esterase, Cholesterol oxidase, Nylon membrane 256(1992)263

Amperometry; Enzyme electrodes; Hydrogen peroxide; Tobacco callus; In vitro cultured 257(1992)59

Potentiometry; pH; Urea; Glass electrode, Urease immobilization 257(1992)67

Chemiluminescence; Herbicides; Pesticides; Firefly luciferase genes, Luciferin, Membrane mutants of *E. coli*, Recombinant DNA technology 257(1992)183

Conductimetry/oscillometry; Ion channel; Ion conductivity; Lipid bilayer; Membranes; Dipalmitoyl phosphatidic acid, Phosphatidyl choline 257(1992)239

Enzyme reactor; Fish freshness; Hypoxanthine, Inosine, Inosine-5-monophosphate 260(1992)93

Biotin

Spectrophotometry; Avidin-peroxidase conjugate; Enzyme activity; Immunobiotin; Polystyrene beads, Solid-phase assay 251(1991)291

Bipolar pulse conductance instrument

Conductimetry/oscillometry; Solution conductivity; Urea; Current and voltage modes, Sampled and integrated signal acquisition 252(1991)29

Bismuth

Flow system; Spectrophotometry; Extraction; Geological materials; Lead tetramethylenedithiocarbamate 251(1991)275

Spectrophotometry; Alloys; Extraction; Pharmaceuticals; 1-Naphtylmethyltriphenylphosphonium tetraiodobismuthate(III) 256(1992)87

Blood

Fluorimetry; Flow system; Dehydrogenase; Ethanol; Enzyme reactor; Semiconductor laser spectrometry; Diaphorase, Methylene blue, NADH 251(1991)191

Spectrophotometry; Amitriptyline; Imipramine; Perphenazine; Pharmaceuticals; Serum; Diode array, Simultaneous 252(1991)107

Potentiometry; Cholinesterase assay; Ion-selective electrodes; Benzoate-sensitive membrane 254(1991)95

Fluorimetry; Flow system; Membrane electrodes; Potassium; Immobilized hexadecyl-acridine orange, PVC membrane 255(1991)97

Chemiluminescence; Fluorimetry; Biological samples; Biosensors; Carbon dioxide; Glucose; Oxygen; pH; Review; Biomedical 255(1991)209

Electrophoresis; Fluorimetry; Capillary zone electrophoresis; Glutathione; Thiols 255(1991)283

Chemiluminescence; Pancreatitis; Ascorbic acid, 2,2-Dimethyl-4-methanesulphonic acid-1,2-dihydroquinoline, Lucigenin, Luminol, Trasylol 255(1991)373

Chemiluminescence; Leukocytes; Multiplexing computerized luminometer 256(1992)29

Biosensor; Cholesterol; Enzyme reactor; Fibre-optic sensor; Serum; Cholesterol esterase, Cholesterol oxidase, Nylon membrane 256(1992)263

Activ. analysis; Serum; Trace elements; Ion exchange 257(1992)1

Amperometry; Liquid chrom.; Enzyme reactor; Ethanol; Serum; Alcohol oxidase, Glucose oxidase, Hydroxyethyl-methacrylate sorbent 257(1992)73

Boron

Fluorimetry; Flow system; Waters; Chromotropic acid 251(1991)269

Brassinosteroids

Liquid chrom.; Steroids; Boronate derivatives, C-24 epimers, Reversed-phase 256(1992)319

Breath

Gas chromatography; Mass spectrometry; Carbon dioxide; Isotope ratio; On-line purification 259(1992)193

Bromide

Spectrophotometry; Fibre-optic sensor; Spent brine; Chloramine-T oxidation, On-line 256(1992)97

Brønsted activity factors

Fluorimetry; Aqueous organic systems; Fluorescent indicator; pH; Acetonitrile-water mixtures, Dissociation reaction, 2-Hydroxybiphenyl, Reprotonation reaction 255(1991)329

Bubble-through flow cell

Flow system; Chloride; Fluoride; Ion-selective electrodes; Waters; Continuous flow 258(1992)135

Buffer capacity

Titrimetry; Acetic acid; Amphiprotic solvents; Arginine; Ionic equilibria; Lysine; Diprotic bases, Low dielectric constant, Monoprotic bases 256(1992)211

Bunsen reaction

I.r. spectrometry; Titrimetry; Iodation; Karl Fischer reaction; Reaction intermediate; Cyclohexylamine, Methanol, Pyridine, Sulphur trioxide 257(1992)165

Butenes

I.r. spectrometry; Raman spectrometry; Force fields; Normal coordinate analysis; Zeolites; Metal ions 253(1991)227

Butyl hydroperoxide

Kinetic analysis; Voltammetry; Acetylpenicillamine thionitrite; Electron transfer reactions; Reduction; Irreversible reactions, Square-wave 251(1991)13

Butylhydroxyanisole

Amperometry; Diffl. pulse voltammetry; Flow system; Antioxidants; Butylhydroxytoluene; Corn oil; Diethyl ether; Foods; Glassy carbon electrode 252(1991)153

Butylhydroxytoluene

Amperometry; Diffl. pulse voltammetry; Flow system; Antioxidants; Butylhydroxyanisole; Corn oil; Diethyl ether; Foods; Glassy carbon electrode 252(1991)153

C

Cadaverine

Liquid chrom.; Aminobutyric acid; Biological samples; Polyamines; Putrescine; Spermidine; Spermine; Electrochemical detection, Gradient elution, *o*-Phthalaldehyde-β-mercaptoethanol precolumn derivatization, Rat tissues 251(1991)101

Cadmium

At. fluor. spectrometry; Ice; Laser excitation; Snow; Antarctic 251(1991)169

At. abs. spectrometry; Anod. stripping voltammetry; Electrolytic separation; Lead; Preconcentration; Silver; Electrolysis. Microscale 252(1991)211

Diffl. pulse voltammetry; Copper; Humic acid; Lead; Waters; Complexation 255(1991)15

At. abs. spectrometry; Gel perm. chromatogr.; Vegetables, Zinc 259(1992)165

Cadmium compounds

I.r. spectrometry; Caesium compounds; Gas-phase spectra; High temperature 253(1991)251

Caesium

Adsorbents; Gamma spectrometry; Immobilization; Waters; Orthomolybdophosphate bonded groups 256(1992)323

Caesium compounds

I.r. spectrometry; Cadmium compounds; Gas-phase spectra; High temperature 253(1991)251

Calcium

Chromatography; Fluorimetry; Ion exchange; Magnesium; Waters; Post-column reaction, Quinolin-8-ol-5-sulphonic acid 259(1992)19

Interleukin-1β; Recombinant human interleukin; Mesangial cells 259(1992)355

Calixarenes

Flow system; Potentiometry; Plasma; Sodium; Membrane electrodes 251(1991)149

Canonical correlation

Liquid chrom.; Hilditch's theory; Olive oils; Principal components analysis; Triacylglycerols 259(1992)115

Capacity factor

Flow system; Liquid chrom.; Solute focusing; Solute-focusing column location 255(1991)127

Capillary transfer tubing

Gas chromatography; Adsorption; Capacity factors 251(1991) 83

Capillary zone electrophoresis

Electrophoresis; Fluorimetry; Blood; Glutathione; Thiols 255(1991)283

Carbamate pesticides

Amperometry; Biosensors; Enzyme electrodes; Organophosphorus pesticides; Pesticides; Cholinesterase membrane, Cobalt phthalocyanine-modified carbon paste electrode 252(1991)11

Carbamates

Liquid chrom.; Spectrophotometry; Aldicarb; Carbaryl; Carbofuran; Pesticides; Photodegradation; Sea water; Waters; Diode-array detection 254(1991)235

Carbaryl

Liquid chrom.; Spectrophotometry; Aldicarb; Carbamates; Carbofuran; Pesticides; Photodegradation; Sea water; Waters; Diode-array detection 254(1991)235

Spectrophotometry; Chlorpyrifos; Derivative spectroscopy; Multivariate analysis; Pesticides; Partial least squares, Zerocrossing point 258(1992)47

Carbofuran

Liquid chrom.; Spectrophotometry; Aldicarb; Carbamates; Carbaryl; Pesticides; Photodegradation; Sea water; Waters; Diode-array detection 254(1991)235

Carbohydrates

Fluorimetry; Liquid chrom.; Biological samples; Fructose; Glucose; Plant materials; Serum; Wines; Post-column fluorigenic reaction 252(1991)173

Carbon dioxide

Chemiluminescence; Fluorimetry; Biological samples; Biosensors; Blood; Glucose; Oxygen; pH; Review; Biomedical 255(1991)209

At. abs. spectrometry; Carriers; Sample introduction; Supercritical carbon dioxide 258(1992)55

Gas chromatography; Mass spectrometry; Breath; Isotope ratio; On-line purification 259(1992)193

Carbon fibre electrodes

Voltammetry; Acetylcholine; Biosensors; Enzyme electrodes; Hydrogen peroxide, Ultramicro sensors 251(1991)129

Carboxylic acids

Liquid chrom.; Mass spectrometry; Formic acid 254(1991)33

I.r. spectrometry; Potentiometry; Fulvic acid; Waters; Fourier transform 255(1991)23

Liquid chrom.; Modelling surface response; Optimization; Wine; Derivatization 259(1992)237

Carriers

At. abs. spectrometry; Carbon dioxide; Sample introduction; Supercritical carbon dioxide 258(1992)55

Catalysis

Flow system; Spectrophotometry; Iodide oxidation; Molybdenum; Optimization; Hydrogen peroxide, Monosegmented continuous-flow system 255(1991)149

Catalytic activity

Enthalpimetry; Adenosine-5'-triphosphate; Enzyme reactor; Erythrocyte membrane; Sodium, potassium adenosine-5'-triphosphatase; Batch microcalorimetry, Hydrolysis 252(1991)17

Catalytic degradation

I.r. spectrometry; Polyethylene; Pyrolysis; Fourier transform, Metal-catalysed oxidation 253(1991)33

Catalytic effect

Kinetic analysis; Thermom. analysis; Lead; Manganese; Waters; Hydrogen peroxide, Tiron oxidation 251(1991)305

Catechol

Amperometry; Biosensors; Enzyme electrodes; Plant-tissue electrodes; Potato slices 255(1991)59

Cathodic stripping

Voltammetry; Paraquat; Pesticides; Waters; Amberlite XAD-2 resin, Carbon paste electrode 260(1992)19

Cation-exchange resins

Liquid chrom.; Chelating cation-exchange resins; Paralytic shellfish poisons; Preconcentration; Saxitoxin; Toxins 255(1991)163

Cation complexation

Fluorimetry; Alkaline earth metals; Aluminium; Coumarin 153; Crown ethers; Monoaza-15-crown-5 257(1992)189

Cephalosporins

Chemiluminescence; Antibiotics; Cephalothin; Cobalt(II), Hydrogen peroxide, Luminol 255(1991)383

Cephalothin

Chemiluminescence; Antibiotics; Cephalosporins; Cobalt(II), Hydrogen peroxide, Luminol 255(1991)383

Ceramics

Spectrophotometry; Extraction; Glass; Polyurethane foam; Vanadium; Salicylhydroxamic acid complex 257(1992)123

Spectrophotometry; Barium; Copper; Superconductors; Yttrium; Partial least-squares regression 257(1992)195

Cerium

Amperometry; Liquid chrom.; Voltammetry; Nitrosamine; Gold, platinum and glassy carbon electrodes, Post-column redox reactions 258(1992)99

Charge-coupled detector camera

Fluorimetry; Immunoassay; Antibodies; Antigens; Microscopy; Cooled slow-scan 255(1991)269

Cheese

Pattern recognition; Neural networks; Soft modelling; Waters; Backward error propagation 256(1992)133

Chelating cation-exchange resins

Liquid chrom.; Cation-exchange resins; Paralytic shellfish poisons; Preconcentration; Saxitoxin; Toxins 255(1991)163

Chelating resins

At. abs. spectrometry; Flow system; Ion exchange; Lead; Preconcentration; Quinolin-8-ol resins 259(1992)53

Chemical modifiers

At. abs. spectrometry; Electrotherm. atomization; Alkyltin compounds; Paints; Tin; Sea water; Graphite furnace, Organopalladium compounds, Sensitivity enhancement 252 (1991)77

Chemical vapour deposition

I.r. spectrometry; Double modulation; Titanium oxide films; Emission, In situ observation 253(1991)239

Chemoreceptors

Potentiometry; Biosensors; Crayfish; Pyrazinamide; Video imaging inverted biological microscope 256(1992)39

Chiroptical detection

Liquid chrom.; Spectrophotometry; Circular dichroism; Enantioselective detection; Polarimetry; 1,1'-Bi-2-naphthol, 3,9-Di-bromocamphor 258(1992)83

Chloride

Spectrophotometry; Optical membrane; Plasmas; Serum; Chromoionophore, Optode 255(1991)35

Flow system; Bubble-through flow cell; Fluoride; Ion-selective electrodes; Waters; Continuous flow 258(1992)135

Chlorine

Amperometry; Flow system; Titrimetry; Iodine; Waters; Iodine-azide reaction, Thiosulphate and thioammeline inductors 252(1991)127

Chlorophenoxyacetic acids

Gas chromatography; Liquid chrom.; Extraction-methylation; Herbicides; Soils; Benzyltrimethylammonium chloride 255 (1991)187

Chlorpromazine

Fl; Flow system; Pharmaceuticals; Photochemical derivatization; UV photo-oxidation 256(1992)105

Chlorpyrifos

Spectrophotometry; Carbaryl; Derivative spectroscopy; Multivariate analysis; Pesticides; Partial least squares, Zero-crossing point 258(1992)47

Chocolate

I.r. spectrometry; Cocoa; Sensory panel; Chemometrics 253 (1991)161

Cholesterol

Biosensor; Blood; Enzyme reactor; Fibre-optic sensor; Serum; Cholesterol esterase, Cholesterol oxidase, Nylon membrane 256(1992)263

Anod. stripping voltammetry; Serum; Hanging mercury drop electrode 257(1992)15

Chemiluminescence 259(1992)73

Choline

Flow system; Spectrophotometry; Acetylcholine; Extraction; Thermochromism; Ion association complexes, Tetrabromophenolphthalein ethyl ester 255(1991)135

Cholinesterase assay

Potentiometry; Blood; Ion-selective electrodes; Benzoate-sensitive membrane 254(1991)95

Chromium

Spectrophotometry; Waters; Chromium(V) and -(VI), Diphenylcarbazide, Dissolved organic matter 255(1991)31 Spectrophotometry; Geological materials; Rocks; Azo dye

257(1992)129
Diffi nulse voltammetry: Waters: Dinhenylcarbaside complex

Diffl. pulse voltammetry; Waters; Diphenylcarbazide complex 257(1992)301

Spectrophotometry; Benzyltributylammonium dichromate extraction 259(1992)33

Chromium benzoate / salicylate

I.r. spectrometry; Raman spectrometry; Anhydrous/hydrated metal complexes; Iron(III) benzoate/salicylate; Silver benzoate/salicylate; Aromatic system 253(1991)211

Circular dichroism

Liquid chrom.; Spectrophotometry; Chiroptical detection; Enantioselective detection; Polarimetry; 1,1'-Bi-2-naphthol, 3,9-Dibromocamphor 258(1992)83

Citric acid

Liquid chrom.; Spectrophotometry; Fermentation; Iron; Manganese; Trace metals; Zinc; Ion-pair, Reversed-phase 258(1992)275

Clotiapine

Diffl. pulse voltammetry; Pharmaceuticals; Cathodic stripping, Hanging mercury drop electrode 256(1992)59

Coal fly ash

At. abs. spectrometry; Selenium; Graphite furnace, Mercurypalladium chemical modifier 259(1992)295

Cobalt

Liquid chrom.; Copper; Iron; Zinc; Hydrophobic stationary phases, 2-(2-Pyridylazo)-5-[N-(sulphoalkyl)amino]phenol chelates 252(1991)181

At. abs. spectrometry; Electrotherm. atomization; Biological samples; Human liver 254(1991)113

Liquid chrom.; Spectrophotometry; Copper; Iron; Nickel; Ion-pair reversed-phase, 2-(2-Pyridylazo)-5-(N-sulphoal-kyl)amino]phenol chelates 256(1992)91

Amperometry; Coulometry; Potentiometry; Titrimetry; Electrochemical generation; Acetic acid-perchlorate 258(1992)161

Kinetic analysis; Thermom. analysis; Pharmaceuticals; Personal computer 258(1992)177

Spectrophotometry; Alloys; Di-2-pyridyl ketone hydrazones 259(1992)175

Cobalt(II) "jellyfish" porphyrin-imidazole complexes Raman spectrometry; Oxygen adducts; Vibrational coupling;

Raman spectrometry; Oxygen adducts; Vibrational coupling; Hydrogen bonding, Resonance 253(1991)135

Cocos

I.r. spectrometry; Chocolate; Sensory panel; Chemometrics 253(1991)161

Coenzyme Q

Chemiluminescence; Free radical scavenging 255(1991)367

Colorimetric glass detectors

Disposable tube detectors; Length of stain detectors; Sol-gel glasses; Waters 256(1992)65

Colorimetry

Spectrophotometry; Artificial intelligence; Iron; Robots; Standard addition; Aqueous samples, Bathocuproine 254(1991)215

Colour evaluation

Flow system; Titrimetry; Tristimulus colorimetry; Continuous flow, Gradient scanning 252(1991)133

Complexation

Spectrophotometry; Copper; Crown ethers; Didecyldiaza-18crown-6; Liquid membrane; Transition metals; Protonation constant, Solubility, Stability constant 254(1991)1

Anod. stripping voltammetry; Cyclic voltammetry; Diffl. pulse voltammetry; Albumin; Zinc; Charge transfer rate constant, Conditional stability constant, Glassy carbon, Nafion coating 259(1992)129

Computer-aided regression

Potentiometry; Ion-selective electrodes; Linear and non-linear regression, Nikolsky equation 258(1992)27

Computer-based system

Potentiometry; Artificial intelligence 258(1992)33

Computerized identification

Mass spectrometry; Transformations 256(1992)145

Computer program

Potentiometry; Titrimetry; Equivalence volumes; Ionization constants; EUTIT, Hofstee's method, Iterative algorithm 257(1992)29

Conditional constants

Polynucleation; Predominance-zone diagrams 259(1992)95

Conducting polymers

Chromatography; Cyclic voltammetry; Flow system; Ion exchange; Polyaniline; Chemically modified electrodes 252(1991)53

Confluent mixing efficiency

Flow system 254(1991)209

Conformational stability

1.r. spectrometry; Raman spectrometry; Ab initio SCF-MO; Methyl acrylate; 4–31G level, Deuterated methylacrylate, s-cis and s-trans conformers 253(1991)43

Copper

Liquid chrom.; Cobalt; Iron; Zinc; Hydrophobic stationary phases, 2-(2-Pyridylazo)-5-[N-(sulphoalkyl)amino]phenol chelates 252(1991)181

Spectrophotometry; Complexation; Crown ethers; Didecyldiaza-18-crown-6; Liquid membrane; Transition metals; Protonation constant, Solubility, Stability constant 254(1991)1

Crown ethers; Didecylaza-18-crown-6; Extraction; Liquid membrane; Transition metals 254(1991)9

Potentiometry: Peptides 254(1991)89

Diffl. pulse voltammetry; Cadmium; Humic acid; Lead; Waters; Complexation 255(1991)15

Liquid chrom.; Spectrophotometry; Cobalt; Iron; Nickel; Ionpair reversed-phase, 2-(2-Pyridylazo)-5-(*N*-sulphoalkyl)aminolphenol chelates 256(1992)91

Anod. stripping voltammetry; Lead; Mercury; Waters; Carbon fibres, Metal wires, Microelectrodes, Polypropylene matrix 257(1992)7

Spectrophotometry; Barium; Ceramics; Superconductors; Yttrium; Partial least-squares regression 257(1992)195

Flow system; Spectrophotometry; Partial least squares; Zinc; Zone sampling; Concentrated solutions, Multi-component analysis 259(1992)219

Liquid chrom.; Amino acids; Sea water; Waters; Reversed-phase C_{18} -silica, LiChrosorb 260(1992)99

Copper complexation

Voltammetry; Sea water 257(1992)281

Copper formate

I.r. spectrometry; Raman spectrometry 253(1991)125

Corn oil

Amperometry; Diffl. pulse voltammetry; Flow system; Antioxidants; Butylhydroxyanisole; Butylhydroxytoluene; Diethyl ether; Foods; Glassy carbon electrode 252(1991)153

Correlation chromatography

Liquid chrom.; Deconvolution; Detection limit; Noise; Fourier transform, Pseudo random binary sequence 256(1992)349

Corticosteroids

Kinetic analysis; Spectrophotometry; Cortisone; Differential reaction-rate methods; Hydrocortisone; Kalman filter; Blue Tetrazolium 251(1991)313

Cortisone

Kinetic analysis; Spectrophotometry; Corticosteroids; Differential reaction-rate methods; Hydrocortisone; Kalman filter; Blue Tetrazolium 251(1991)313

Coumarin 153

Fluorimetry; Alkaline earth metals; Aluminium; Cation complexation; Crown ethers; Monoaza-15-crown-5 257(1992)189

Crayfish

Potentiometry; Biosensors; Chemoreceptors; Pyrazinamide; Video imaging inverted biological microscope 256(1992)39

Creatinine

Flow system; Spectrophotometry; Ammonia; Enzyme reactor; Urine; Immobilized glutamine synthetase 255(1991)83

Cresols

Piezoelectric sensors; Quartz sensors; Waters; Regression analysis, Silver-coated AT-cut quartz crystals 251(1991)143

Cross-validation

Principal components; At. abs. spectrometry; Acid rain; Factor analysis; Rain water; Waters 258(1992)1

Crown ethers

Spectrophotometry; Complexation; Copper; Didecyldiaza-18crown-6; Liquid membrane; Transition metals; Protonation constant, Solubility, Stability constant 254(1991)1

Copper; Didecylaza-18-crown-6; Extraction; Liquid membrane; Transition metals 254(1991)9

Fluorimetry; Alkaline earth metals; Aluminium; Cation complexation; Coumarin 153; Monoaza-15-crown-5 257(1992)189

Potentiometry; Ion-selective electrodes; Sodium; PVC membranes 259(1992)145

Crude oils

Gas chromatography; Dimethylnaphthalenes 260(1992)107

Curium

Fluorimetry; Micellar media; Time-resolved laser-induced, Thenoyltrifluoroacetone complex, Trioctylphosphine oxide, Triton X-100 254(1991)145

Curve fitting

Artificial intelligence; Data handling; Maximum tolerance 256(1992)361

Cyanide

Liquid chrom.; Waters; 1-Benzoyl-1,2-dihydroquinaldonitrile Reissert compound 251(1991)109

Fluorimetry; Liquid chrom.; Amino acids, o-Phthalaldehyde, Naphthalenedicarboxaldehyde, Postcolumn 251(1991)255 Flow system; Spectrophotometry; Gas permeation; Membrane separation; Preconcentration; Waters; Isonicotinate-pyrazolone, Konig's reaction, Silicone-rubber 259(1992)45

Cyclodextrin

Chemiluminescence; Phosphorescence; Tetrols; β-Cyclodextrin-sodium chloride mixtures, Solid matrix, Stereoisomers 255(1991)335

Fluorimetry; Chemiluminescence; Acenaphthene; Phosphorescence; 2-Bromoethanol 255(1991)351

Cyclodextrins

Liquid chrom.; Hydroxypropyl-β-cyclodextrin; Partition coefficients; Shake-flask method; Cyclodextrin-water, Inclusion complex, Octanol-water, Three-phase model 255(1991)157

Chemiluminescence; Aflatoxins; Fluorescence enhancement 255(1991)343

Cypermethrine

Electrophoresis; Alphamethrine; Pesticides; Pyrethroid insecticides; Soils; Waters; Capillary isotachophoresis, Hydrolysis 256(1992)69

Cysteine

Spectrophotometry; Amino acids; Cystine; Copper(II)neocuproin reagent, Soybean protein hydrolysate 255(1991)121

Cystine

Spectrophotometry; Amino acids; Cysteine; Copper(II)neocuproin reagent, Soybean protein hydrolysate 255(1991)121

Cytochrome P-450 isoenzymes

Chemiluminescence; Enzyme systems; Staining; Western blots 255(1991)359

Chromatography; Chemiluminescence; Microsomes 255 (1991)363

D

Data handling

Artificial intelligence; Curve fitting; Maximum tolerance 256(1992)361

Data reduction

Liquid chrom.; Principal components; PCR, PLS 259(1992)105

Data visualization

Pattern recognition; Stereoscopic data visualization 259 (1992)79

Deconvolution

Liquid chrom.; Detection limit; Noise; Correlation chromatography; Fourier transform, Pseudo random binary sequence 256(1992)349

Degree of neutralization

Ion-selective electrodes; Polymers; Sodium; Superabsorbent polymers; Air, Diapers 260(1992)13

Dehydrogenase

Fluorimetry; Flow system; Blood; Ethanol; Enzyme reactor; Semiconductor laser spectrometry; Diaphorase, Methylene blue, NADH 251(1991)191

Derivative spectroscopy

Fluorimetry; Hydralazine; Pharmaceuticals; Propranolol; First-derivative synchronous spectra 255(1991)317

Fluorimetry; Polynuclear aromatic hydrocarbons; Constantenergy synchronous 256(1992)285

Spectrophotometry; Carbaryl; Chlorpyrifos; Multivariate analysis; Pesticides; Partial least squares, Zero-crossing point 258(1992)47

Fluorimetry; Molybdenum; Tungsten; Waters; Carminic acid complexes, Solid-phase, Synchronous 259(1992)345

Desferrioxamine

At. abs. spectrometry; Flow system; Preconcentration; Graphite furnace, Immobilized, Peritoneal dialysis solutions 256(1992)75

Detection limit

Liquid chrom.; Deconvolution; Noise; Correlation chromatography; Fourier transform, Pseudo random binary sequence 256(1992)349

Detectors

Gas chromatography; Environmental samples; Review; Sulphur 255(1991)1

Dextrins

Flow system; Liquid chrom.; Beer; Enzyme reactor; Oligosaccharides; Co-immobilized, Postcolumn 257(1992)79

Dialysis

Flow system; Mass transfer; Mathematical modelling; Co-current laminar, Parallel plate 256(1992)301

Flow system; Mass transfer; Mathematical modelling; Co-current laminar flow, Parallel-plate dialyser 257(1992)317

Flow system; Mass transfer; Mathematical modelling; Co-current laminar flow, Parallel-plate dialyser 257(1992)331

Dibenzoxanthen-14-one

I.r. spectrometry; Solvent effect 253(1991)61

Didecylaza-18-crown-6

Copper; Crown ethers; Extraction; Liquid membrane; Transition metals 254(1991)9

Didecyldiaza-18-crown-6

Spectrophotometry; Complexation; Copper; Crown ethers; Liquid membrane; Transition metals; Protonation constant, Solubility, Stability constant 254(1991)1

Diethyldithiocarbamate

At. emission spectrom.; Flow system; Molecular emission spectrometry; Sulphur; Colloidal sulphur, Disulphur emission, Sulphur anions 251(1991)197

Diethyl ether

Amperometry; Diffl. pulse voltammetry; Flow system; Antioxidants; Butylhydroxyanisole; Butylhydroxytoluene; Corn oil; Foods; Glassy carbon electrode 252(1991)153

Differential reaction-rate methods

Kinetic analysis; Spectrophotometry; Corticosteroids; Cortisone; Hydrocortisone; Kalman filter; Blue Tetrazolium 251 (1991)313

Diffusion

Amperometry; Flow system; Hydrogen cyanide; Semipermeable membrane; Separation efficiency, Two sample loop system 251(1991)261

Mass spectrometry; Ammonium; Nitrate; Nitrogen; Polytetrafluoroethylene traps; Soils 252(1991)201

Digital simulation

Amperometry; Enzyme electrodes; Glucose oxidase; Homogeneous kinetics 258(1992)151

Dimethylnaphthalenes

Gas chromatography; Crude oils 260(1992)107

Dimyristoylphosphatidylcholine

Thermom. analysis; Lipophilicity; Partition coefficients; Pharmaceuticals; Differential scanning calorimetry, Cardiac drugs 251(1991)79

Diode-array detectors

Liquid chrom.; Principal components; Evolving factor analysis; Scan time 256(1992)125

Dioxane-water

Potentiometry; Spectrophotometry; Titrimetry; Acidity constants; pH correction factors; Autoprotolysis constants 251(1991)321

Dioxetane

Chemiluminescence; Liquid chrom. 255(1991)395

Dipalmitoylphosphatidylcholine multibilayers

I.r. spectrometry; Multibilayers; Subtransition; Attenuated total reflection, Fourier transform 253(1991)95

Dipyridamole

Chemiluminescence; Liquid chrom.; Benzydamine; Pharmaceuticals; Plasma; Peroxyoxalate 251(1991)247

Disposable tube detectors

Colorimetric glass detectors; Length of stain detectors; Sol-gel glasses; Waters 256(1992)65

Dissociation constants

Titrimetry; Acetic acid; Amphiprotic solvents; Arginine; Ionic equilibria; Lysine; Diprotic bases, Low dielectric constant 256(1992)203

Diuretics

Liquid chrom.; Spectrophotometry; H-point method; Pharmaceuticals; Standard addition method 257(1992)89

DNA

Chemiluminescence; Dot blot hybridization assays; Enzyme reactions; B19 Parvovirus DNA, Digoxigenin 255(1991)387

Donnan dialysis

Ion exchange; Gold; Ion-exchange membranes; Platinum group metals; Preconcentration 255(1991)169

Dot blot hybridization assays

Chemiluminescence; DNA; Enzyme reactions; B19 Parvovirus DNA, Digoxigenin 255(1991)387

Double modulation

I.r. spectrometry; Chemical vapour deposition; Titanium oxide films; Emission, In situ observation 253(1991)239

Dysprosium

Fluorimetry; Europium; Fluorescence enhancement; Rare earth elements; Terbium; Sodium benzoate, Trioctylphosphine oxide 260(1992)135

E

EDTA complexes

Chromatography; Ion exchange; Vanadium 254(1991)61

Eigenvector projection

Liquid chrom.; Anthocyanins; Bilberries; Fruits; Vaccinium myrtillus; Degradation, Stability 259(1992)109

Electroanalytical response

Electrodes; Ultramicroelectrodes 259(1992)139

Electrocatalysis

Amperometry; Cyclic voltammetry; Flow system; Hydrogen peroxide; Copper heptacyanonitrosylferrate film-modified glassy carbon electrode 259(1992)211

Electrochemical generation

Amperometry; Coulometry; Potentiometry; Titrimetry; Cobalt; Acetic acid-perchlorate 258(1992)161

Electrochemical reduction

Potentiometry; Tantalum; Molten fluorides, Diffusion 251 (1991)53

Electrodes

Amperometry; Biosensors; Peroxidase-modified electrodes; Organic peroxides 254(1991)81

Electroanalytical response; Ultramicroelectrodes 259(1992)139

Electroluminescence

Chemiluminescence; Lanthanides; Terbium; Aluminium disc electrodes, 2,6-Bis[N,N-bis(carboxymethyl)aminomethyl]-4-benzoylphenol chelates, Cathodically induced, Time-resolved 256(1992)17

Electrolysis

Acoustic emission; Frequency-domain representation; Time-domain representation; Waters 254(1991)223

Electrolytic dissolution

At. emission spectrom.; Flow system; Aluminium alloys; Plasmas; Inductively coupled 251(1991)187

Electrolytic separation

At. abs. spectrometry; Anod. stripping voltammetry; Cadmium; Lead; Preconcentration; Silver; Electrolysis, Microscale 252(1991)211

Electronic substituent constants

D.c. polarography; Aziridinylquinones; Benzoquinones; Naphthoquinones; Quantitative structure-electrochemistry relationships 257(1992)257

Electron transfer reactions

Kinetic analysis; Voltammetry; Acetylpenicillamine thionitrite; Butyl hydroperoxide; Reduction; Irreversible reactions, Square-wave 251(1991)13

Elemental analysis

At. emission spectrom.; Fluorimetry; Inductively coupled plasma; Lasers; Rare earth elements; Spectral interference; Dysprosium, Gadolinium 258(1992)73

Emittance

I.r. spectrometry; Minerals; Planetary surfaces; Remote sensing; Soils; Calcite, Grain size, Granite, Packing density, Talc 253(1991)245

Enantiomers

Gas chromatography; Achiral stationary phases; Amines; Amino acids; Optical isomers 251(1991)223

Enantioselective detection

Liquid chrom.; Spectrophotometry; Chiroptical detection; Circular dichroism; Polarimetry; 1,1'-Bi-2-naphthol, 3,9-Di-bromocamphor 258(1992)83

Environmental samples

Gas chromatography; Review; Sulphur; Detectors 255(1991)1

Enzymatic determination

Flow system; Galactose 254(1991)201

Enzyme activity

Spectrophotometry; Avidin-peroxidase conjugate; Biotin; Immunobiotin; Polystyrene beads, Solid-phase assay 251(1991) 291

Enzyme assay

Chemiluminescence; Immunoassay; Erythrosin; Glucose oxidase; Bis(2,4,6-trichlorophenyi) oxalate, Hydrogen peroxide 251(1991)215

Enzyme electrodes

Amperometry; Biosensors; Glucose; Photolithographically patterned enzyme membrane 251(1991)117

Voltammetry; Acetylcholine; Biosensors; Carbon fibre electrodes; Hydrogen peroxide, Ultramicro sensors 251(1991)129

Amperometry; Biosensors; Carbamate pesticides; Organophosphorus pesticides; Pesticides; Cholinesterase membrane, Cobalt phthalocyanine-modified carbon paste electrode 252(1991)11

Flow system; Glucose; Mathematical modelling; Urea; Experimental verification of model 254(1991)167

Amperometry; Ascorbic acid; Biosensors; Fruit juices; Planttissue electrodes; Cucumber juice 255(1991)53

Amperometry; Biosensors; Catechol; Plant-tissue electrodes; Potato slices 255(1991)59

Amperometry; NADH; Co-immobilized lactate dehydrogenase and lactate oxidase 256(1992)47

Amperometry; Biosensors; Hydrogen peroxide; Tobacco callus; In vitro cultured 257(1992)59

Potentiometry; Thrombin; Carbon paste electrodes, Graphitic carbon electrodes, p-Nitroaniline 257(1992)247

Amperometry; Glucose oxidase; Digital simulation; Homogeneous kinetics 258(1992)151

Enzyme inhibition

Potentiometry; Biosensors; Ion-sensitive field effect transistors; Pesticides; Waters; Acetylcholinesterase, Dichlorvos 252(1991)7

Enzyme oxidation

Cyclic voltammetry; Glucose oxidase; Diffusion coefficients, Electron-transfer rate, Ferrocenecarboxylic acid mediator, Glucose 252(1991)23

Enzyme reactions

Chemiluminescence; DNA; Dot blot hybridization assays; B19 Parvovirus DNA, Digoxigenin 255(1991)387

Enzyme reactor

Fluorimetry; Flow system; Blood; Dehydrogenase; Ethanol; Semiconductor laser spectrometry; Diaphorase, Methylene blue, NADH 251(1991)191

Enthalpimetry; Adenosine-5'-triphosphate; Catalytic activity; Erythrocyte membrane; Sodium, potassium adenosine-5'-triphosphatase; Batch microcalorimetry, Hydrolysis 252(1991)17

Fluorimetry; Flow system; Propane-1,2-diol; Propylene oxide; Immobilized glycerol dehydrogenase 252(1991)145

Flow system; Glucose; Glycerol; Mathematical modelling; Sandwich techniques; Two-analyte sequential determinations, Univariate optimization 254(1991)177

Flow system; Spectrophotometry; Ammonia; Creatinine; Urine; Immobilized glutamine synthetase 255(1991)83

Fluorimetry; Biosensors; Ethanol; Fibre-optic sensor; Formate; Glucose; Lactate; Mannitol; Phenylpyruvate; Pyruvate; Enzyme/coenzyme immobilization, Liquid membrane 255 (1991)273

Chemiluminescence; Biosensors; Fibre-optic sensor; Poly(vinyl alcohol) matrix; Self-containment; Flavin cofactor, Immobilized 255(1991)253

Chemiluminescence; Flow system; Biosensors; Lactate; Microorganisms; Milk; Serum; Immobilized, Nylon coil 255(1991)259

Fluorimetry; Flow system; Glutamate; Serum; Immobilized glutamate dehydrogenase, Poly(vinyl alcohol) beads 256 (1992)221

Biosensor; Blood; Cholesterol; Fibre-optic sensor; Serum; Cholesterol esterase, Cholesterol oxidase, Nylon membrane 256(1992)263

Amperometry; Liquid chrom.; Blood; Ethanol; Serum; Alcohol oxidase, Glucose oxidase, Hydroxyethylmethacrylate sorbent 257(1992)73

Flow system; Liquid chrom.; Beer; Dextrins; Oligosaccharides; Co-immobilized, Postcolumn 257(1992)79

Fluorimetry; Liquid chrom.; Foods; Glucose; Sucrose; Sugars; Immobilized sorbitol dehydrogenase 259(1992)15

Biosensors; Fish freshness; Hypoxanthine, Inosine, Inosine-5monophosphate 260(1992)93

Enzyme-substrate reactions

Fluorimetry; Acetylcholinesterase; Amphiphiles; Nitrobenzoxadiazoledipalmitoylphosphatidylethanolamine; Fluorescence transduction 255(1991)73

Enzyme systems

Chemiluminescence; Cytochrome P-450 isoenzymes; Staining; Western blots 255(1991)359

Equivalence volumes

Potentiometry; Titrimetry; Computer program; Ionization constants; EUTIT, Hofstee's method, Iterative algorithm 257(1992)29

Error correction

Kinetic analysis; Kalman filter; Between-sample variations, Parallel network, Pseudo-first-order rate constants 257(1992)

Erythrocyte membrane

Enthalpimetry; Adenosine-5'-triphosphate; Catalytic activity; Enzyme reactor; Sodium, potassium adenosine-5'-triphosphatase; Batch microcalorimetry, Hydrolysis 252(1991)17

Erythrosin

Chemiluminescence; Immunoassay; Enzyme assay; Glucose oxidase; Bis(2,4,6-trichlorophenyl) oxalate, Hydrogen peroxide 251(1991)215

Estradiol

Chemiluminescence; Immunoassay; Sensitivity; Solid phase 255(1991)417

Polarography; Estriol; Steroids; Urine; Single-sweep 259 (1992)305

Estriol

Polarography; Estradiol; Steroids; Urine; Single-sweep 259 (1992)305

Ethanol

Fluorimetry; Flow system; Blood; Dehydrogenase; Enzyme reactor; Semiconductor laser spectrometry; Diaphorase, Methylene blue, NADH 251(1991)191

Fluorimetry; Biosensors; Enzyme reactor; Fibre-optic sensor; Formate; Glucose; Lactate; Mannitol; Phenylpyruvate; Pyruvate; Enzyme/coenzyme immobilization, Liquid membrane 255(1991)223

Amperometry; Liquid chrom.; Blood; Enzyme reactor; Serum; Alcohol oxidase, Glucose oxidase, Hydroxyethylmethacrylate sorbent 257(1992)73

Ethylene

I.r. spectrometry; Acetylene; Platinum/silica catalyst; Fourier transform, Hydrogen effect, Surface species 253(1991)29

Europium

At. emission spectrom.; Liquid chrom.; Holmium; Lanthanide oxides; Ytterbium 254(1991)21

Voltammetry; Salicylate complex, Square-wave 260(1992)51

Fluorimetry; Dysprosium; Fluorescence enhancement; Rare earth elements; Terbium; Sodium benzoate, Trioctylphosphine oxide 260(1992)135

Evolving factor analysis

Flow system; Acidity constants; Indicators; Multivariate methods; pH gradients 255(1991)143

Liquid chrom.; Principal components; Diode-array detectors; Scan time 256(1992)125

Exhaust gas

Liquid chrom.; Air; Aldehydes; Gases; Stack gas; Bubbler, 2,4-Dinitrophenylhydrazones 257(1992)99

Expert system

Gas chromatography; Mass spectrometry; Arson analysis; Petroleum distillates 259(1992)225

Extraction

Mass transfer; Palladium; Platinum; Solid-supported liquid membrane; Liquid-liquid, Thiocyanate, Triisobutylphosphine sulphide 251(1991)233

Flow system; Spectrophotometry; Bismuth; Geological materials; Lead tetramethylenedithiocarbamate 251(1991)275

At. abs. spectrometry; Flow system; Amphetamines; Pharmaceuticals; Urine; Metal dialkyldithiocarbamates, Isobutyl methyl ketone 252(1991)83

Spectrophotometry; Iodide; Waters; Brilliant Green, Ion pair 252(1991)115

MKU; Copper; Crown ethers; Didecylaza-18-crown-6; Liquid membrane; Transition metals 254(1991)9

Flow system; Spectrophotometry; Acetylcholine; Choline; Thermochromism; Ion association complexes, Tetrabromophenolphthalein ethyl ester 255(1991)135

Liquid chrom.; Beverages; Food additives; Aspartame, Benzoic acid, Saccharin, Sorbic acid 255(1991)177

Spectrophotometry; Alloys; Bismuth; Pharmaceuticals; 1-Naphtylmethyltriphenylphosphonium tetraiodobismuthate(III) 256(1992)87

At. emission spectrom.; Biological samples; Inorganic constituents; Plasmas; EDTA, Inductively coupled, Tetramethylammonium hydroxide 256(1992)277

Technetium; Radioactive wastes; Ammonium tetramethylenedithiocarbamate, Chloroform, Complexation 256(1992) 293

Spectrophotometry; Niobium; Steels; Dichlorobenzene, Naphthylmethyltriphenylphosphonium chloride, Thiocyanate 256(1992)307

Surfactants; Dichloroethane, Ion pairs, Poly(oxyethylene) chain, Triton X-100 256(1992)311

Alkali metals; Alkaline earth metals; Lithium chloride; Acylpyrazolones 257(1992)105

Spectrophotometry; Ceramics; Glass; Polyurethane foam; Vanadium; Salicylhydroxamic acid complex 257(1992)123

Spectrophotometry; Interference; Manganese(VII); Steels; Benzyltributylammonium chloride 258(1992)325

Beryllium; Rare earth elements; Scandium; Yttrium; Bis(4-acylpyrazol-5-one) derivatives, Polymethylene chain length, Steric effects 259(1992)25

Flow system; Spectrophotometry; Salbutamol 260(1992)65

Phosphorus; Sea water; Waters; Iron(III) hydroxide-coated acrylic fibres, Molybdenum blue complex 260(1992)113

Alkylammonium ions; Foam extraction; Polyurethane foam; Dipicrylaminates, Tetraphenylborates 260(1992)123

At. abs. spectrometry; Geological materials; Gold; Acid decomposition, Hydrochloric acid-bromine, Tellurium coprecipitation 260(1992)131

Extraction-methylation

Gas chromatography; Liquid chrom.; Chlorophenoxyacetic acids; Herbicides; Soils; Benzyltrimethylammonium chloride 255(1991)187



Factor analysis

Principal components; At. abs. spectrometry; Acid rain; Cross-validation; Rain water; Waters 258(1992)1

Fermentation

Liquid chrom.; Spectrophotometry; Citric acid; Iron; Manganese; Trace metals; Zinc; Ion-pair, Reversed-phase 258(1992)275

Ferredoxins

Voltammetry; Iron-sulphur clusters; Proteins; Redox properties, Clostridium pasteurianum, Electrostatic potential 251(1991)27

Ferrocene

Amperometry; Glucose; Poly(ethylene oxide); Electron transfer, Glucose oxidase, Polymeric relay system 251(1991)121

Ferroelectric temperature sensors

Titrimetry; Thermom. analysis; Enthalpimetry; Barium titanate; Temperature sensors; Ferroelectric ceramics, Thermometric redox titrations, Wheatstone bridge 251(1991)59

Ferroin complex

Spectrophotometry; Penicillamine; Pharmaceuticals; o-Phenanthroline-iron(III) 257(1992)203

Fertilizers

Flow system; Spectrophotometry; Phosphate; Waters; Crystal Violet, 12-Molybdophosphate 254(1991)197

Fibre-optic sensor

Fluorimetry; Biosensors; Enzyme reactor; Ethanol; Formate; Glucose; Lactate; Mannitol; Phenylpyruvate; Pyruvate; Enzyme/coenzyme immobilization, Liquid membrane 255(1991) 273

Fluorimetry; Polynuclear aromatic hydrocarbons; Time-resolved laser-induced 255(1991)231

Chemiluminescence; Biosensors; Enzyme reactor; Poly(vinyl alcohol) matrix; Self-containment; Flavin cofactor, Immobilized 255(1991)253

Fluorimetry; T.l.c.; Acepromazine; Phenothiazines; Propiomazine; In situ scanning 255(1991)297

Fluorimetry 255(1991)305

Spectrophotometry; Bromide; Spent brine; Chloramine-T oxidation, On-line 256(1992)97

Biosensor; Blood; Cholesterol; Enzyme reactor; Serum; Cholesterol esterase, Cholesterol oxidase, Nylon membrane 256(1992)263

Spectrophotometry; Gas sensor; Nitrogen oxides; Aquocyanocobinamide 256(1992)269

Fibre-optic spectrophotometer

Spectrophotometry; Nitric acid; Partial least-squares regression; Uranium; PUREX process 254(1991)159

Fibre optics

Reflectance spectrometry; Acid-base equilibria; Immobilized acid-base indicators; Indicators; Acidity constants, Kubelka-Munk functions, Solvent model 251(1991)165

Fish

At. abs. spectrometry; Mercury; Microwave digestion; Cold vapour 257(1992)155

Fish freshness

Biosensors; Enzyme reactor; Hypoxanthine, Inosine, Inosine-5-monophosphate 260(1992)93

Flow cytometry

Pattern recognition; Algae; Neural networks; Cyanobacteria 258(1992)11

Fluid flow

Fluorimetry; Particle imaging; Refractive index matching 255(1991)275

Fluorescence

Acrylamide quenching; Micelles; Quenching 258(1992)335

Fluorescence enhancement

Fluorimetry; Dysprosium; Europium; Rare earth elements; Terbium; Sodium benzoate, Trioctylphosphine oxide 260 (1992)135

Fluorescent indicator

Fluorimetry; Aqueous organic systems; Brønsted activity factors; pH; Acetonitrile-water mixtures, Dissociation reaction, 2-Hydroxybiphenyl, Reprotonation reaction 255(1991)329

Fluoride

Chromatography; Aluminium; Waters 258(1992)123

Flow system; Bubble-through flow cell; Chloride; Ion-selective electrodes; Waters; Continuous flow 258(1992)135

Foam extraction

Alkylammonium ions; Extraction; Polyurethane foam; Dipicrylaminates, Tetraphenylborates 260(1992)123

Folic acid

Flow system; Voltammetry; Adsorptive stripping 252(1991)47

Food additives

Liquid chrom.; Beverages; Extraction; Aspartame, Benzoic acid, Saccharin, Sorbic acid 255(1991)177

Foods

Kinetic analysis; Spectrophotometry; Fruit juices; Sulphite; Brilliant Green 252(1991)121

Amperometry; Diffl. pulse voltammetry; Flow system; Antioxidants; Butylhydroxyanisole; Butylhydroxytoluene; Corn oil; Diethyl ether; Glassy carbon electrode 252(1991)153

Potentiometry; Batch injection; Ion-selective electrodes; Waters 252(1991)215

Fluorimetry; Liquid chrom.; Enzyme reactor; Glucose; Sucrose; Sugars; Immobilized sorbitol dehydrogenase 259(1992) 15

Force constants

I.r. spectrometry; Fragment method; Hydrogen bonding; Polymers; Polyurethane; Intermolecular interactions 253(1991)183

Force field:

I.r. spectrometry; Raman spectrometry; Butenes; Normal coordinate analysis; Zeolites; Metal ions 253(1991)227

Forgetting factor algorithm

Spectrophotometry; Kalman filter; Pharmaceuticals 260 (1992)75

Formaldehyde

Flow system; Kinetic analysis; Spectrophotometry; Sulphite; Resins; Waters; Brilliant Green 252(1991)167

Formate

Fluorimetry; Biosensors; Enzyme reactor; Ethanol; Fibre-optic sensor; Glucose; Lactate; Mannitol; Phenylpyruvate; Pyruvate; Enzyme/coenzyme immobilization, Liquid membrane 255(1991)223

Formic acid

Liquid chrom.; Mass spectrometry; Carboxylic acids 254 (1991)33

Fragment method

I.r. spectrometry; Force constants; Hydrogen bonding; Polymers; Polyurethane; Intermolecular interactions 253(1991)183

Free energy of solvation model

Gas chromatography; Stationary phases 259(1992)1

Frequency-domain representation

Acoustic emission; Electrolysis; Time-domain representation; Waters 254(1991)223

Fructose

Fluorimetry; Liquid chrom.; Biological samples; Carbohydrates; Glucose; Plant materials; Serum; Wines; Post-column fluorigenic reaction 252(1991)173

Fruit juices

Kinetic analysis; Spectrophotometry; Foods; Sulphite; Brilliant Green 252(1991)121

Amperometry; Ascorbic acid; Biosensors; Enzyme electrodes; Plant-tissue electrodes; Cucumber juice 255(1991)53

Flow system; Spectrophotometry; Nitrophenols; Pesticides; Diode-array 258(1992)269

Fruits

Liquid chrom.; Anthocyanins; Bilberries; Eigenvector projection; Vaccinium myrtillus; Degradation, Stability 259(1992)109

Principal components; Pattern recognition; Apricot; Partial least squares; Sensory evaluation 259(1992)257

Fulvic acid

I.r. spectrometry; Potentiometry; Carboxylic acids; Waters; Fourier transform 255(1991)23

G

Galactose

Flow system; Enzymatic determination 254(1991)201

Gallium

At. abs. spectrometry; Geological materials; Iron; Meteorites; Chloro complex extraction, Reduction 259(1992)289

Gamma spectrometry

Adsorbents; Caesium; Immobilization; Waters; Orthomolyb-dophosphate bonded groups 256(1992)323

Gas-phase spectra

I.r. spectrometry; Cadmium compounds; Caesium compounds; High temperature 253(1991)251

Gases

Liquid chrom.; Air; Aldehydes; Exhaust gas; Stack gas; Bubbler, 2,4-Dinitrophenylhydrazones 257(1992)99

Gas permeation

Flow system; Spectrophotometry; Cyanide; Membrane separation; Preconcentration; Waters; Isonicotinate-pyrazolone, Konig's reaction, Silicone-rubber 259(1992)45

Gas sensor

Spectrophotometry; Fibre-optic sensor; Nitrogen oxides; Aquocyanocobinamide 256(1992)269

Gas stripping

Polarography; Surfactants; Tensammetry; Waters; Calibration, Non-ionic 260(1992)25

GC detector

Gas chromatography; Microwave induced plasma discharge; Plasma; TM resonant cavity 257(1992)309

Geological materials

X-ray fluores. spectrometry; Rare earth elements; Rocks; Total reflection 251(1991)177

Spectrophotometry; Minerals; Ores; Titanium; Cold acid decomposition, Fluoride complexation, Tiron 251(1991)205

Flow system; Spectrophotometry; Bismuth; Extraction; Lead tetramethylenedithiocarbamate 251(1991)275

Activ. analysis; Ion exchange; Antimony; Arsenic; Molybdenum; Rocks; Silicates; Tungsten; Alumina inorganic ion exchange, Epithermal neutron activation 251(1991)297

At. abs. spectrometry; Electrotherm. atomization; Gold; Ores; Vanadium; Chemical modifier, Flame, Graphite furnace 252(1991)97

Isotope dilut. analysis; Mass spectrometry; Rocks; Silicate rocks; Thorium; Uranium 256(1992)153

Spectrophotometry; Chromium; Rocks; Azo dye 257(1992)129

At. abs. spectrometry; Gallium; Iron; Meteorites; Chloro complex extraction, Reduction 259(1992)289

At. abs. spectrometry; Extraction; Gold; Acid decomposition, Hydrochloric acid-bromine, Tellurium coprecipitation 260(1992)131

Glass

Spectrophotometry; Ceramics; Extraction; Polyurethane foam; Vanadium; Salicylhydroxamic acid complex 257(1992)123

Glass electrodes

Potentiometry; Titrimetry; Acidity constants; Hydrogen ion concentration; pH; Stability constants 255(1991)63

Glasse

Spectrophotometry; Arsenic; Arsine generation; Gas-phase molecular absorption spectrometry, Inorganic 255(1991)113

Glucose

Amperometry; Biosensors; Enzyme electrodes; Photolithographically patterned enzyme membrane 251(1991)117

Amperometry; Ferrocene; Poly(ethylene oxide); Electron transfer, Glucose oxidase, Polymeric relay system 251(1991)121

Fluorimetry; Liquid chrom.; Biological samples; Carbohydrates; Fructose; Plant materials; Serum; Wines; Post-column fluorigenic reaction 252(1991)173

Flow system; Enzyme electrodes; Mathematical modelling; Urea; Experimental verification of model 254(1991)167

Flow system; Enzyme reactor; Glycerol; Mathematical modelling; Sandwich techniques; Two-analyte sequential determinations, Univariate optimization 254(1991)177

Chemiluminescence; Fluorimetry; Biological samples; Biosensors; Blood; Carbon dioxide; Oxygen; pH; Review; Biomedical 255(1991)209

Fluorimetry; Biosensors; Enzyme reactor; Ethanol; Fibre-optic sensor; Formate; Lactate; Mannitol; Phenylpyruvate; Pyruvate; Enzyme/coenzyme immobilization, Liquid membrane 255(1991)223

Fluorimetry; Liquid chrom.; Enzyme reactor; Foods; Sucrose; Sugars; Immobilized sorbitol dehydrogenase 259(1992)15

Glucose oxidase

Chemiluminescence; Immunoassay; Enzyme assay; Erythrosin; Bis(2,4,6-trichlorophenyl) oxalate, Hydrogen peroxide 251(1991)215

Cyclic voltammetry; Enzyme oxidation; Diffusion coefficients, Electron-transfer rate, Ferrocenecarboxylic acid mediator, Glucose 252(1991)23

Amperometry; Enzyme electrodes; Digital simulation; Homogeneous kinetics 258(1992)151

Glutamate

Fluorimetry; Flow system; Enzyme reactor; Serum; Immobilized glutamate dehydrogenase, Poly(vinyl alcohol) beads 256(1992)221

Glutamine

Flow system; Ion exchange; Potentiometry; Ammonium electrode; Bioreactor media 258(1992)281

Glutathione

Electrophoresis; Fluorimetry; Blood; Capillary zone electrophoresis; Thiols 255(1991)283

Glycerol

Flow system; Enzyme reactor; Glucose; Mathematical modelling; Sandwich techniques; Two-analyte sequential determinations, Univariate optimization 254(1991)177

Gold

At. abs. spectrometry; Electrotherm. atomization; Geological materials; Ores; Vanadium; Chemical modifier, Flame, Graphite furnace 252(1991)97

Ion exchange; Donnan dialysis; Ion-exchange membranes; Platinum group metals; Preconcentration 255(1991)169

Potentiometry; Titrimetry; Alloys; 2,2'-Bipyridine, Cobalt(II) redox titration, 1,10-Phenanthroline 258(1992)167

At. abs. spectrometry; Extraction; Geological materials; Acid decomposition, Hydrochloric acid-bromine, Tellurium coprecipitation 260(1992)131

Gold electrodes

Activ. analysis; Sulfur compounds; Thiourea 260(1992)1

H

H-point method

Liquid chrom.; Spectrophotometry; Diuretics; Pharmaceuticals; Standard addition method 257(1992)89

Haemodialysis water

Diffl. pulse polarography; Aluminium; High-pressure diges-

tion; Microwave digestion; Waters; Dialysis units, Total soluble aluminium 257(1992)147

Hafnium

Achondrites; Meteorites; NAA; Zirconium 254(1991)119

Half-wave potential

Polarography; Ionic strength; Non-complexing supporting electrolyte 251(1991)3

Hazardous compounds

Mass spectrometry; Pattern recognition; SIMCA methods 257(1992)229

Heavy metals

At. abs. spectrometry; Antarctic snow; Preconcentration 258(1992)229

Herbicides

Gas chromatography; Liquid chrom.; Chlorophenoxyacetic acids; Extraction-methylation; Soils; Benzyltrimethylammonium chloride 255(1991)187

Chemiluminescence; Biosensors; Pesticides; Firefly luciferase genes, Luciferin, Membrane mutants of *E. coli*, Recombinant DNA technology 257(1992)183

Fluorimetry; Bentazone; Pesticides; Dimethylformamide solvent 259(1992)61

Hexa-2,4-dienylideneisopropylamine

I.r. spectrometry; Imines; Phenols; Phenylprop-2-enylideneisopropylamine; Proton donors; Fourier transform, Stretching vibrations, Thermodynamic parameters 253(1991)81

I.r. spectrometry; Imines; Phenols; Phenylprop-2-enylideneisopropylamine; Proton donors; Fourier transform, Isotopic ratio 253(1991)89

Hexacyanoferrate

Cyclic voltammetry; Stability constants; Tetramethylammonium complexes; Ion pairs 251(1991)35

Hexacyanoferrate(III)

Laser photolysis; Thermal lens spectrometry; Radiation pressure, Transport effects 257(1992)217

Hexadecylpyridiniumporphyrins

Cyclic voltammetry; Metalloporphyrins; Electroreduction, Redox potentials, Non-aqueous media, UV-visible spectra, ESR spectra 251(1991)47

High-pressure digestion

Diffl. pulse polarography; Aluminium; Haemodialysis water; Microwave digestion; Waters; Dialysis units, Total soluble aluminium 257(1992)147

Hilditch's theory

Liquid chrom.; Canonical correlation; Olive oils; Principal components analysis; Triacylglycerols 259(1992)115

Holmium

At. emission spectrom.; Liquid chrom.; Europium; Lanthanide oxides; Ytterbium 254(1991)21

Hot wire

Gas chromatography; Modulator; Thermal decomposition; Correlation 252(1991)187

Humic acid

Diffl. pulse voltammetry; Cadmium; Copper; Lead; Waters; Complexation 255(1991)15

Humic acids

Paraguat; Ultrafiltration 258(1992)219

Humic substances

Gel perm. chromatogr.; Adsorption; Molecular size; Disodium tetraborate-pyrophosphate eluent, Membrane filtration 256(1992)81

Potentiometry; Titrimetry; Acid-base properties, Linear functions 257(1992)35

Hydralazine

Fluorimetry; Derivative spectroscopy; Pharmaceuticals; Propranolol; First-derivative synchronous spectra 255(1991)317

Hydrazine

Amperometry; Cyclic voltammetry; Flow system; Prussian Blue-modified electrode; Glassy carbon electrode, Nafion film 257(1992)275

Hydride generation

At. abs. spectrometry; Flow system; Antimony; Sea water; Waters; Continuous flow 252(1991)161

Hydrocortisone

Kinetic analysis; Spectrophotometry; Corticosteroids; Cortisone; Differential reaction-rate methods; Kalman filter; Blue Tetrazolium 251(1991)313

Hydrogen bonding

I.r. spectrometry; Force constants; Fragment method; Polymers; Polyurethane; Intermolecular interactions 253(1991)183

Hydrogen cyanide

Amperometry; Flow system; Diffusion; Semipermeable membrane; Separation efficiency, Two sample loop system 251(1991)261

Hydrogen ion concentration

Potentiometry; Titrimetry; Acidity constants; Glass electrodes; pH; Stability constants 255(1991)63

Hydrogen peroxide

Amperometry; Biosensors; Enzyme electrodes; Tobacco callus; In vitro cultured 257(1992)59

Spectrophotometry; Titrimetry; Oxalate; Phosphite; Thallimetric oxidation 257(1992)159

Amperometry; Cyclic voltammetry; Flow system; Electrocatalysis; Copper heptacyanonitrosylferrate film-modified glassy carbon electrode 259(1992)211

Flow system; Nafion membrane scrubber 260(1992)57

Hydrogen sulphite oxidation

Kinetic analysis; Spectrophotometry, Oxygen; Thiatriazolthiolate catalysis; Sulphite interference, pH 254(1991)245

Hydroxypropyl-β-cyclodextrin

Liquid chrom.; Cyclodextrins; Partition coefficients; Shakeflask method; Cyclodextrin-water, Inclusion complex, Octanol-water, Three-phase model 255(1991)157

I

Ice

At. fluor. spectrometry; Cadmium; Laser excitation; Snow; Antarctic 251(1991)169

Imines

I.r. spectrometry; Hexa-2,4-dienylideneisopropylamine; Phenols; Phenylprop-2-enylideneisopropylamine; Proton donors; Fourier transform, Stretching vibrations, Thermodynamic parameters 253(1991)81

I.r. spectrometry; Hexa-2,4-dienylideneisopropylamine; Phenols; Phenylprop-2-enylideneisopropylamine; Proton donors; Fourier transform, Isotopic ratio 253(1991)89

Imipramine

Spectrophotometry; Amitriptyline; Blood; Perphenazine; Pharmaceuticals; Serum; Diode array, Simultaneous 252 (1991)107

Immobilization

Adsorbents; Caesium; Gamma spectrometry; Waters; Orthomolybdophosphate bonded groups 256(1992)323

Immobilized acid-base indicators

Reflectance spectrometry; Acid-base equilibria; Fibre optics; Indicators; Acidity constants, Kubelka-Munk functions, Solvent model 251(1991)165

Immobilized metal chelates

Chemiluminescence; Iodide; Optosensing; Fluorescence quenching, Room-temperature phosphorescence enhancement 255(1991)245

Immunobiotin

Spectrophotometry; Avidin-peroxidase conjugate; Biotin; Enzyme activity; Polystyrene beads, Solid-phase assay 251(1991)

Immunoglobulin

Chemiluminescence; Immunoassay; Biosensors; Immunosensors; Wafers; Bioselective matrix 252(1991)1

Immunosensors

Chemiluminescence; Immunoassay; Biosensors; Immunoglobulin; Wafers; Bioselective matrix 252(1991)1

Indicators

Reflectance spectrometry; Acid-base equilibria; Fibre optics; Immobilized acid-base indicators; Acidity constants, Kubelka-Munk functions, Solvent model 251(1991)165

Flow system; Acidity constants; Evolving factor analysis; Multivariate methods; pH gradients 255(1991)143

Inductively coupled plasma

At. emission spectrom.; Fluorimetry; Elemental analysis; Lasers; Rare earth elements; Spectral interference; Dysprosium. Gadolinium 258(1992)73

Infrared microscope

I.r. spectrometry; Naphthalene-1,8-dicarboxylic acid/anhydride 253(1991)269

Inorganic constituents

At. emission spectrom.; Biological samples; Extraction; Plasmas; EDTA, Inductively coupled, Tetramethylammonium hydroxide 256(1992)277

Interference

Spectrophotometry; Extraction; Manganese(VII); Steels; Benzyltributylammonium chloride 258(1992)325

Interlaboratory comparisons

Gas chromatography; Pesticides; Polychlorinated biphenyls; Serum; Aroclors 251(1991)281

Interleukin-1B

Calcium; Recombinant human interleukin; Mesangial cells 259(1992)355

Internal total reflectance cell

I.r. spectrometry; Flow system; Multi-component determinations; Transmittance cell; Fourier transform, Single-line system 253(1991)1

Iodation

I.r. spectrometry; Titrimetry; Bunsen reaction; Karl Fischer reaction; Reaction intermediate; Cyclohexylamine, Methanol, Pyridine, Sulphur trioxide 257(1992)165

Iodide

Spectrophotometry; Extraction; Waters; Brilliant Green, Ion pair 252(1991)115

Chemiluminescence; Immobilized metal chelates; Optosensing; Fluorescence quenching, Room-temperature phosphorescence enhancement 255(1991)245

Iodide oxidation

Flow system; Spectrophotometry; Catalysis; Molybdenum; Optimization; Hydrogen peroxide, Monosegmented continuous-flow system 255(1991)149

Iodine

Amperometry; Flow system; Titrimetry; Chlorine; Waters; Iodine-azide reaction, Thiosulphate and thioammeline inductors 252(1991)127

Spectrophotometry; Mercury(II) iodide; Crystals, Excess 259(1992)181

Iodine-azide reaction

T.l.c.; Thiohydantoins; Induction 257(1992)135

Ion-exchange membranes

Ion exchange; Donnan dialysis; Gold; Platinum group metals; Preconcentration 255(1991)169

Ion-selective electrodes

Potentiometry; Batch injection; Foods; Waters 252(1991)215

Potentiometry; Blood; Cholinesterase assay; Benzoate-sensitive membrane 254(1991)95

Potentiometry; Anthelmintics; Pyrantel; Poly(vinyl chloride), Protein interference 256(1992)257

Potentiometry; Computer-aided regression; Linear and nonlinear regression, Nikolsky equation 258(1992)27

Flow system; Bubble-through flow cell; Chloride; Fluoride; Waters; Continuous flow 258(1992)135

Potentiometry; Crown ethers; Sodium; PVC membranes 259(1992)145

Flow system; Potentiometry; Amplification; Aluminium; Uranium; Copper 259(1992)149

Degree of neutralization; Polymers; Sodium; Superabsorbent polymers; Air, Diapers 260(1992)13

Ion-sensitive field-effect transistor

Potentiometry; Sodium; Calixarene derivatives 254(1991)75

Ion-sensitive field effect transistors

Potentiometry; Anion-sensing membranes; Polyion complex bilayers; Dioctadecyldimethylammonium poly(styrene sulphonate) 252(1991)41

Potentiometry; Nitrate; Chemical grafting, Silica gate insulator 256(1992)251

Ion channel

Conductimetry/oscillometry; Biosensors; Ion conductivity; Lipid bilayer; Membranes; Dipalmitoyl phosphatidic acid, Phosphatidyl choline 257(1992)239

Ion conductivity

Conductimetry/oscillometry; Biosensors; Ion channel; Lipid bilayer; Membranes; Dipalmitoyl phosphatidic acid, Phosphatidyl choline 257(1992)239

Ionic equilibria

Titrimetry; Acetic acid; Amphiprotic solvents; Arginine; Dissociation constants; Lysine; Diprotic bases, Low dielectric constant 256(1992)203

Titrimetry; Acetic acid; Amphiprotic solvents; Arginine; Buffer capacity; Lysine; Diprotic bases, Low dielectric constant, Monoprotic bases 256(1992)211

Ionic strength

Polarography; Half-wave potential; Non-complexing supporting electrolyte 251(1991)3

Ionization constants

Potentiometry; Titrimetry; Computer program; Equivalence volumes; EUTIT, Hofstee's method, Iterative algorithm 257(1992)29

Ion mobility spectrometry

Organophosphorus compounds 259(1992)333

Ion-sensitive field effect transistors

Potentiometry; Biosensors; Enzyme inhibition; Pesticides; Waters; Acetylcholinesterase, Dichlorvos 252(1991)7

Ion transport

Potentiometry; Lipid membranes; Phase domain structures; Surface charge; Dipalmitoylphosphatidic acid, Ion permeability, Phosphatidylcholine 257(1992)49

iR drop errors

Cyclic voltammetry; Reversible electrode processes; Uncompensated resistance; N,N'-Bis(salicylidene)ethylenediamine-cobalt(II), Numerical method 256(1992)243

Iron

Liquid chrom.; Cobalt; Copper; Zinc; Hydrophobic stationary phases, 2-(2-Pyridylazo)-5-[N-(sulphoalkyl)amino]phenol chelates 252(1991)181

At. abs. spectrometry; Ion exchange; Liquid membrane; Waters 252(1991)205

Spectrophotometry; Artificial intelligence; Colorimetry; Robots; Standard addition; Aqueous samples, Bathocuproine 254(1991)215

Liquid chrom.; Spectrophotometry; Cobalt; Copper; Nickel; Ion-pair reversed-phase, 2-(2-Pyridylazo)-5-(*N*-sulphoalkyl) amino]phenol chelates 256(1992)91

Kinetic analysis; Spectrophotometry; Laser thermal lensing; Metal ions; Speciation; Waters; Fulvic acids, Humic acids 256(1992)183

Liquid chrom.; Spectrophotometry; Citric acid; Fermentation; Manganese; Trace metals; Zinc; Ion-pair, Reversed-phase 258(1992)275

At. abs. spectrometry; Gallium; Geological materials; Meteorites; Chloro complex extraction, Reduction 259(1992)289

Iron(III) benzoate / salicylate

I.r. spectrometry; Raman spectrometry; Anhydrous/hydrated metal complexes; Chromium benzoate/salicylate; Silver benzoate/salicylate; Aromatic system 253(1991)211

Iron-sulphur clusters

Voltammetry; Ferredoxins; Proteins; Redox properties, Clostridium pasteurianum, Electrostatic potential 251(1991)27

Isotone ratio

Gas chromatography; Mass spectrometry; Breath; Carbon dioxide; On-line purification 259(1992)193

K

Kalman filter

Kinetic analysis; Spectrophotometry; Corticosteroids; Cortisone; Differential reaction-rate methods; Hydrocortisone; Blue Tetrazolium 251(1991)313

Kinetic analysis; Error correction; Between-sample variations, Parallel network, Pseudo-first-order rate constants 257(1992) 173

Spectrophotometry; Forgetting factor algorithm; Pharmaceuticals 260(1992)75

Karl Fischer reaction

I.r. spectrometry; Titrimetry; Bunsen reaction; Iodation; Reaction intermediate; Cyclohexylamine, Methanol, Pyridine, Sulphur trioxide 257(1992)165

Kerosene

Flow system; Membrane extraction-preconcentration; Naphtha; Phenols 259(1992)37

L

Lactate

Fluorimetry; Biosensors; Enzyme reactor; Ethanol; Fibre-optic sensor; Formate; Glucose; Mannitol; Phenylpyruvate; Pyruvate; Enzyme/coenzyme immobilization, Liquid membrane 255(1991)223

Chemiluminescence; Flow system; Biosensors; Enzyme reactor; Microorganisms; Milk; Serum; Immobilized, Nylon coil 255(1991)259

Lactose

Flow system; Spectrophotometry; Milk; Alkaline methylamine 258(1992)141

Lanthanide oxides

At. emission spectrom.; Liquid chrom.; Europium; Holmium; Ytterbium 254(1991)21

Lanthanides

Immunoassay; Fluorimetry; Co-fluorescence enhancement, Time-resolved 256(1992)9

Chemiluminescence; Electroluminescence; Terbium; Aluminium disc electrodes, 2,6-Bis[N,N-bis(carboxymethyl) aminomethyl]-4-benzoylphenol chelates, Cathodically induced, Time-resolved 256(1992)17

Laser excitation

At. fluor. spectrometry; Cadmium; Ice; Snow; Antarctic 251(1991)169

Laser photolysis

Hexacyanoferrate(III); Thermal lens spectrometry; Radiation pressure, Transport effects 257(1992)217

Lasers

At. emission spectrom.; Fluorimetry; Elemental analysis; Inductively coupled plasma; Rare earth elements; Spectral interference; Dysprosium, Gadolinium 258(1992)73

Laser thermal lensing

Kinetic analysis; Spectrophotometry; Iron; Metal ions; Speciation; Waters; Fulvic acids, Humic acids 256(1992)183

Lead

Kinetic analysis; Thermom. analysis; Catalytic effect; Manganese; Waters; Hydrogen peroxide, Tiron oxidation 251 (1991)305

At. abs. spectrometry; Anod. stripping voltammetry; Cadmium; Electrolytic separation; Preconcentration; Silver; Electrolysis, Microscale 252(1991)211

Electrotherm. atomization; At. abs. spectrometry; Waters; Tungsten furnace, Matrix modifiers 254(1991)99

Diffl. pulse voltammetry; Cadmium; Copper; Humic acid; Waters; Complexation 255(1991)15

Anod. stripping voltammetry; Copper; Mercury; Waters; Carbon fibres, Metal wires, Microelectrodes, Polypropylene matrix 257(1992)7

Voltammetry; Mercury 258(1992)299

At. abs. spectrometry; Flow system; Ion exchange; Chelating resins; Preconcentration; Quinolin-8-ol resins 259(1992)53

Length of stain detectors

Colorimetric glass detectors; Disposable tube detectors; Solgel glasses; Waters 256(1992)65

Leukocytes

Chemiluminescence; Blood; Multiplexing computerized luminometer 256(1992)29

Linear calibration method

Azidothymidine; Bayesian method 260(1992)83

Lipid bilayer

Conductimetry/oscillometry; Biosensors; Ion channel; Ion conductivity; Membranes; Dipalmitoyl phosphatidic acid, Phosphatidyl choline 257(1992)239

Lipid film

Odorants; Quartz resonator; Resonance; Viscoelasticity; Asolectin, Cholesterol, Lipid coating 251(1991)135

Lipid membranes

Potentiometry; Ion transport; Phase domain structures; Surface charge; Dipalmitoylphosphatidic acid, Ion permeability, Phosphatidylcholine 257(1992)49

Lipophilicity

Thermom. analysis; Dimyristoylphosphatidylcholine; Partition coefficients; Pharmaceuticals; Differential scanning calorimetry, Cardiac drugs 251(1991)79

Liquid membrane

At. abs. spectrometry; Ion exchange; Iron; Waters 252(1991)

Spectrophotometry; Complexation; Copper; Crown ethers; Didecyldiaza-18-crown-6; Transition metals; Protonation constant, Solubility, Stability constant 254(1991)1

Copper; Crown ethers; Didecylaza-18-crown-6; Extraction; Transition metals 254(1991)9

Lithium chloride

Alkali metals; Alkaline earth metals; Extraction; Acylpyrazolones 257(1992)105

Lysine

Potentiometry; Titrimetry; Acetic acid; Basicity; Proteins; Screened indicator 256(1992)177

Titrimetry; Acetic acid; Amphiprotic solvents; Arginine; Dissociation constants; Ionic equilibria; Diprotic bases, Low dielectric constant 256(1992)203

Titrimetry; Acetic acid; Amphiprotic solvents; Arginine; Buffer capacity; Ionic equilibria; Diprotic bases, Low dielectric constant, Monoprotic bases 256(1992)211

Spectrophotometry; Amino acids; Proteins; Furfuraldehyde 257(1992)209

M

Magnesium

Chromatography; Fluorimetry; Ion exchange; Calcium; Waters; Post-column reaction, Quinolin-8-ol-5-sulphonic acid 259(1992)19

Manganese

Kinetic analysis; Thermom. analysis; Catalytic effect; Lead; Waters; Hydrogen peroxide, Tiron oxidation 251(1991)305

Liquid chrom.; Spectrophotometry; Citric acid; Fermentation; Iron; Trace metals; Zinc; Ion-pair, Reversed-phase 258(1992) 275

Spectrophotometry; Extraction; Interference; Steels; Benzyltributylammonium chloride 258(1992)325

Kinetic analysis; Spectrophotometry; Steels; Terephthalmonohydroxamic acid 259(1992)339

Polarography; Alloys; Catalytic oxidation, Fuchsin, Oscillopolarographic detection 260(1992)45

Mannitol

Fluorimetry; Biosensors; Enzyme reactor; Ethanol; Fibre-optic sensor; Formate; Glucose; Lactate; Phenylpyruvate; Pyruvate; Enzyme/coenzyme immobilization, Liquid membrane 255(1991)223

Mass transfer

Extraction; Palladium; Platinum; Solid-supported liquid membrane; Liquid-liquid, Thiocyanate, Triisobutylphosphine sulphide 251(1991)233

Flow system; Dialysis; Mathematical modelling; Co-current laminar, Parallel plate 256(1992)301

Flow system; Dialysis; Mathematical modelling; Co-current laminar flow, Parallel-plate dialyser 257(1992)317

Flow system; Dialysis; Mathematical modelling; Co-current laminar flow, Parallel-plate dialyser 257(1992)331

Mathematical modelling

Flow system; Enzyme electrodes; Glucose; Urea; Experimental verification of model 254(1991)167

Flow system; Enzyme reactor; Glucose; Glycerol; Sandwich techniques; Two-analyte sequential determinations, Univariate optimization 254(1991)177

Flow system; Dialysis; Mass transfer; Co-current laminar, Parallel plate 256(1992)301

Flow system; Dialysis; Mass transfer; Co-current laminar flow, Parallel-plate dialyser 257(1992)317

Flow system; Dialysis; Mass transfer; Co-current laminar flow, Parallel-plate dialyser 257(1992)331

Matrix isolation

I.r. spectrometry; Water-hydroxylamine complex; Hydrogen bonding 253(1991)173

Maximum tolerance

Artificial intelligence; Curve fitting; Data handling 256(1992) 361

Mefenorex

Raman spectrometry; Amphetamine; Pemoline; Pentylenete-

trazole; Pharmaceuticals; Sports doping; Stimulant drugs; Colloidal silver, Surface enhanced 253(1991)145

Membrane electrodes

Fluorimetry; Flow system; Blood; Potassium; Immobilized hexadecyl-acridine orange, PVC membrane 255(1991)97

Membrane extraction-preconcentration

Flow system; Kerosene; Naphtha; Phenols 259(1992)37

Membrane reactor

Flow system; Glutaminase, Glucose oxidase, Immobilized, Laccase 256(1992)53

Membranes

Conductimetry/oscillometry; Biosensors; Ion channel; Ion conductivity; Lipid bilayer; Dipalmitoyl phosphatidic acid, Phosphatidyl choline 257(1992)239

Membrane separation

Flow system; Spectrophotometry; Cyanide; Gas permeation; Preconcentration; Waters; Isonicotinate-pyrazolone, Konig's reaction, Silicone-rubber 259(1992)45

Mercury

Raman spectrometry; Mercury iodide; Crystals 253(1991)155

Anod. stripping voltammetry; Copper; Lead; Waters; Carbon fibres, Metal wires, Microelectrodes, Polypropylene matrix 257(1992)7

At. abs. spectrometry; Fish; Microwave digestion; Cold vapour 257(1992)155

Voltammetry; Lead 258(1992)299

Mercury(II) iodide

Spectrophotometry; Iodine; Crystals, Excess 259(1992)181

Mercury iodide

Raman spectrometry; Mercury; Crystals 253(1991)155

Mesangial cells

Calcium; Interleukin-1 β ; Recombinant human interleukin 259(1992)355

Metal ions

Kinetic analysis; Spectrophotometry; Iron; Laser thermal lensing; Speciation; Waters; Fulvic acids, Humic acids 256(1992) 183

Metalloporphyrins

Cyclic voltammetry; Hexadecylpyridiniumporphyrins; Electroreduction, Redox potentials, Non-aqueous media, UV-visible spectra, ESR spectra 251(1991)47

Metals

Liquid chrom.; Poisons; Paralytic shellfish poisons 254(1991)41

Chromatography; Molybdenum; Tungsten; Trace-matrix-separation, Metal impurities 256(1992)331

Chromatography; At. emission spectrom.; Molydenum; Tungsten 258(1992)109 Voltammetry; Anod. stripping voltammetry; Batch injection; Trace metals 259(1992)123

Principal components; Microwave digestion 259(1992)267

Meteorites

Achondrites; Hafnium; NAA; Zirconium 254(1991)119

At. abs. spectrometry; Gallium; Geological materials; Iron; Chloro complex extraction, Reduction 259(1992)289

Methyl acrylate

I.r. spectrometry; Raman spectrometry; Ab initio SCF-MO; Conformational stability; 4–31G level, Deuterated methylacrylate, s-cis and s-trans conformers 253(1991)43

Methylamines

Gas chromatography; Amines; Preconcentration; Sea water; Sediments; Waters; Microdiffusion, Volatile amines 252 (1991)223

Methyl trans-crotonate

I.r. spectrometry; Raman spectrometry 253(1991)107

Micellar chromatography

Liquid chrom.; Pharmaceuticals; Urine; Sports banned drugs 259(1992)203

Micellar interactions

Fluorimetry; Flow system; Surfactants; 2-(4-Amino-2-hydroxyphenyl)benzothiazole, PAS-S 256(1992)225

Micellar media

Fluorimetry; Curium; Time-resolved laser-induced, Thenoyl-trifluoroacetone complex, Trioctylphosphine oxide, Triton X-100 254(1991)145

Micelles

Acrylamide quenching; Fluorescence; Quenching 258(1992) 335

Microorganisms

Chemiluminescence; Flow system; Biosensors; Enzyme reactor; Lactate; Milk; Serum; Immobilized, Nylon coil 255(1991) 259

Microscopy

I.r. spectrometry; Tobacco products; Fourier transform 253(1991)15

Fluorimetry; Immunoassay; Antibodies; Antigens; Chargecoupled detector camera; Cooled slow-scan 255(1991)269

Microwave digestion

Diffl. pulse polarography; Aluminium; Haemodialysis water; High-pressure digestion; Waters; Dialysis units, Total soluble aluminium 257(1992)147

At. abs. spectrometry; Fish; Mercury; Cold vapour 257 (1992)155

Principal components; Metals 259(1992)267

Microwave induced plasma discharge

Gas chromatography; GC detector; Plasma; TM resonant cavity 257(1992)309

Milk

Chemiluminescence; Flow system; Biosensors; Enzyme reactor; Lactate; Microorganisms; Serum; Immobilized, Nylon coil 255(1991)259

Flow system; Spectrophotometry; Lactose; Alkaline methylamine 258(1992)141

Minerals

Spectrophotometry; Geological materials; Ores; Titanium; Cold acid decomposition, Fluoride complexation, Tiron 251(1991)205

I.r. spectrometry; Emittance; Planetary surfaces; Remote sensing; Soils; Calcite, Grain size, Granite, Packing density, Talc 253(1991)245

Spectrophotometry; Rare earth elements; p-Acetylchlorophosphonazo 257(1992)117

Mitoxantrone

Flow system; Voltammetry; Pharmaceuticals; Urine; A.c. adsorptive stripping, Phase-selective 256(1992)231

Modelling surface response

Liquid chrom.; Carboxylic acids; Optimization; Wine; Derivatization 259(1992)237

Modulator

Gas chromatography; Hot wire; Thermal decomposition; Correlation 252(1991)187

Molecular emission spectrometry

At. emission spectrom.; Flow system; Diethyldithiocarbamate; Sulphur; Colloidal sulphur, Disulphur emission, Sulphur anions 251(1991)197

Molecular size

Gel perm. chromatogr.; Adsorption; Humic substances; Disodium tetraborate-pyrophosphate eluent, Membrane filtration 256(1992)81

Molybdenum

Activ. analysis; Ion exchange; Antimony; Arsenic; Geological materials; Rocks; Silicates; Tungsten; Alumina inorganic ion exchange, Epithermal neutron activation 251(1991)297

Chromatography; Tungsten 254(1991)45

Flow system; Spectrophotometry; Catalysis; Iodide oxidation; Optimization; Hydrogen peroxide, Monosegmented continuous-flow system 255(1991)149

Diffl. pulse polarography; Catalytic reaction, Ferron complex 256(1992)237

Chromatography; Metals; Tungsten; Trace-matrix-separation, Metal impurities 256(1992)331

Voltammetry; Titanium; Waters 257(1992)293

Chromatography; At. emission spectrom.; Metals; Tungsten 258(1992)109

Fluorimetry; Derivative spectroscopy; Tungsten; Waters; Carminic acid complexes, Solid-phase, Synchronous 259 (1992)345

Diffl. pulse polarography; Plants; Soils; Adsorptive complex, Cupferron 260(1992)35

Motor oils

Gas chromatography; Mutagens; Nitroaromatics; Nitrogen dioxide 251(1991)95

Multi-component determinations

I.r. spectrometry; Flow system; Internal total reflectance cell; Transmittance cell; Fourier transform, Single-line system 253(1991)1

Multibasic weak acids

Flow system 258(1992)259

Multibilayers

I.r. spectrometry; Dipalmitoylphosphatidylcholine multibilayers; Subtransition; Attenuated total reflection, Fourier transform 253(1991)95

Multiplexing computerized luminometer

Chemiluminescence; Blood; Leukocytes 256(1992)29

Multivariate analysis

Spectrophotometry; Carbaryl; Chlorpyrifos; Derivative spectroscopy; Pesticides; Partial least squares, Zero-crossing point 258(1992)47

Multivariate methods

Flow system; Acidity constants; Evolving factor analysis; Indicators; pH gradients 255(1991)143

Mutagens

Gas chromatography; Motor oils; Nitroaromatics; Nitrogen dioxide 251(1991)95

N

NAA

Achondrites; Hafnium; Meteorites; Zirconium 254(1991)119

NADH

Amperometry; Enzyme electrodes; Co-immobilized lactate dehydrogenase and lactate oxidase 256(1992)47

Nafion membrane scrubber

Flow system; Hydrogen peroxide 260(1992)57

Naphtha

Flow system; Kerosene; Membrane extraction-preconcentration; Phenols 259(1992)37

Naphthacene

Fluorimetry; Spectrophotometry; Benzo[b]carbazole; Bibenzyl; Polycyclic aromatic compounds; Zone melting; Diffusion coefficients 251(1991)241

Naphthalene-1,8-dicarboxylic acid / anhydride

I.r. spectrometry; Infrared microscope 253(1991)269

Naphthoquinones

D.c. polarography; Aziridinylquinones; Benzoquinones; Electronic substituent constants; Quantitative structure-electrochemistry relationships 257(1992)257

Neodymium

Spectrophotometry; Rare earth mixtures; Fourth derivative, Xylenol orange-pyridinium complex 254(1991)153

Neural networks

Pattern recognition; Cheese; Soft modelling; Waters; Backward error propagation 256(1992)133

Pattern recognition; Algae; Flow cytometry; Cyanobacteria 258(1992)11

Nicke

Liquid chrom.; Spectrophotometry; Cobalt; Copper; Iron; Ion-pair reversed-phase, 2-(2-Pyridylazo)-5-(*N*-sulphoalkyl) amino]phenol chelates 256(1992)91

Nickel complexes

D.c. polarography; Reduction mechanism; Dropping mercury electrode, Malonic acid, Succinic acid 259(1992)311

Niobium

Spectrophotometry; Extraction; Steels; Dichlorobenzene, Naphthylmethyltriphenylphosphonium chloride, Thiocyanate 256(1992)307

At. emission spectrom.; Tantalum 258(1992)329

Nitrate

Mass spectrometry; Ammonium; Diffusion; Nitrogen; Polyte-trafluoroethylene traps; Soils 252(1991)201

Potentiometry; Ion-sensitive field effect transistors; Chemical grafting, Silica gate insulator 256(1992)251

Nitric acid

Spectrophotometry; Fibre-optic spectrophotometer; Partial least-squares regression; Uranium; PUREX process 254 (1991)159

Nitrite

Cyclic voltammetry; Osmium-modified electrode; Electrocatalyst, Glassy carbon electrode, Reduction 255(1991)45

Nitroaromatics

Gas chromatography; Motor oils; Mutagens; Nitrogen dioxide 251(1991)95

Nitrobenzo xadiazo le dipalmito yl phosphatid yle than olamine

Fluorimetry; Acetylcholinesterase; Amphiphiles; Enzymesubstrate reactions; Fluorescence transduction 255(1991)73

Nitrogen

Mass spectrometry; Ammonium; Diffusion; Nitrate; Polytetrafluoroethylene traps; Soils 252(1991)201

Nitrogen oxides

Spectrophotometry; Fibre-optic sensor; Gas sensor; Aquocyanocobinamide 256(1992)269

Nitrophenols

Flow system; Spectrophotometry; Fruit juices; Pesticides; Diode-array 258(1992)269

Nitrosamine

Amperometry; Liquid chrom.; Voltammetry; Cerium; Gold, platinum and glassy carbon electrodes, Post-column redox reactions 258(1992)99

Noise

Liquid chrom.; Deconvolution; Detection limit; Correlation chromatography; Fourier transform, Pseudo random binary sequence 256(1992)349

Normal coordinate analysis

I.r. spectrometry; Raman spectrometry; Butenes; Force fields; Zeolites; Metal ions 253(1991)227



Obituary

Dr. N. Ishibashi (1928-1991) 256(1992)1

Odorants

Lipid film; Quartz resonator; Resonance; Viscoelasticity; Asolectin, Cholesterol, Lipid coating 251(1991)135

Oligosaccharides

Flow system; Liquid chrom.; Beer; Enzyme reactor; Dextrins; Co-immobilized, Postcolumn 257(1992)79

Olive oils

Liquid chrom.; Canonical correlation; Hilditch's theory; Principal components analysis; Triacylglycerols 259(1992)115

Optical isomers

Gas chromatography; Achiral stationary phases; Amines; Amino acids; Enantiomers 251(1991)223

Optical membrane

Spectrophotometry; Chloride; Plasmas; Serum; Chromoionophore, Optode 255(1991)35

Optimization

Flow system; Spectrophotometry; Catalysis; Iodide oxidation; Molybdenum; Hydrogen peroxide, Monosegmented continuous-flow system 255(1991)149

Liquid chrom.; Carboxylic acids; Modelling surface response; Wine; Derivatization 259(1992)237

Simplex optimization; Convergence ability, Modified simplex methods 259(1992)243

Optosensing

Chemiluminescence; Immobilized metal chelates; Iodide; Fluorescence quenching, Room-temperature phosphorescence enhancement 255(1991)245

Ores

Spectrophotometry; Geological materials; Minerals; Titanium; Cold acid decomposition, Fluoride complexation, Tiron 251(1991)205

At. abs. spectrometry; Electrotherm. atomization; Geological materials; Gold; Vanadium; Chemical modifier, Flame, Graphite furnace 252(1991)97

Voltammetry; Beryllium; Adsorption, Beryllon III 259(1992) 319

Organophosphorus compounds

Ion mobility spectrometry 259(1992)333

Organophosphorus pesticides

Amperometry; Biosensors; Carbamate pesticides; Enzyme electrodes; Pesticides; Cholinesterase membrane, Cobalt phthalocyanine-modified carbon paste electrode 252(1991)11

Osmium

Fluorimetry; Ruthenium; 1,10-Phenanthroline, Silica sorbents 257(1992)109

Osmium-modified electrode

Cyclic voltammetry; Nitrite; Electrocatalyst, Glassy carbon electrode, Reduction 255(1991)45

Ovalate

Chemiluminescence; Porphyrins; Urine; Carbodiimide, Hydrogen peroxide, Peroxyoxalate 255(1991)413

Spectrophotometry; Titrimetry; Hydrogen peroxide; Phosphite; Thallimetric oxidation 257(1992)159

Oxyger

Kinetic analysis; Spectrophotometry; Hydrogen sulphite oxidation; Thiatriazolthiolate catalysis; Sulphite interference, pH 254(1991)245

Chemiluminescence; Fluorimetry; Biological samples; Biosensors; Blood; Carbon dioxide; Glucose; pH; Review; Biomedical 255(1991)209

Oxygen adducts

Raman spectrometry; Cobalt(II) "jellyfish" porphyrin-imidazole complexes; Vibrational coupling; Hydrogen bonding, Resonance 253(1991)135

P

Paints

At. abs. spectrometry; Electrotherm. atomization; Alkyltin compounds; Chemical modifiers; Tin; Sea water; Graphite furnace, Organopalladium compounds, Sensitivity enhancement 252(1991)77

Palladium

Extraction; Mass transfer; Platinum; Solid-supported liquid membrane; Liquid-liquid, Thiocyanate, Triisobutylphosphine sulphide 251(1991)233

Flow system; Spectrophotometry; DCS-arsenazo 256(1992)113

Pancreatitis

Chemiluminescence; Blood; Ascorbic acid, 2,2-Dimethyl-4methanesulphonic acid-1,2-dihydroquinoline, Lucigenin, Luminol, Trasylol 255(1991)373

Paralytic shellfish poisons

Liquid chrom.; Cation-exchange resins; Chelating cation-exchange resins; Preconcentration; Saxitoxin; Toxins 255(1991) 163

Paraquat

Humic acids; Ultrafiltration 258(1992)219

Voltammetry; Cathodic stripping; Pesticides; Waters; Amberlite XAD-2 resin, Carbon paste electrode 260(1992)19

Partial least-squares regression

Spectrophotometry; Fibre-optic spectrophotometer; Nitric acid; Uranium; PUREX process 254(1991)159

Partial least squares

Flow system; Spectrophotometry; Copper; Zinc; Zone sampling; Concentrated solutions, Multi-component analysis 259(1992)219

Principal components; Pattern recognition; Apricot; Fruits; Sensory evaluation 259(1992)257

Particle imaging

Fluorimetry; Fluid flow; Refractive index matching 255 (1991)275

Partition coefficients

Thermom. analysis; Dimyristoylphosphatidylcholine; Lipo-

philicity; Pharmaceuticals; Differential scanning calorimetry, Cardiac drugs 251(1991)79

Liquid chrom.; Cyclodextrins; Hydroxypropyl-β-cyclodextrin; Shake-flask method; Cyclodextrin-water, Inclusion complex, Octanol-water, Three-phase model 255(1991)157

Pemoline

Raman spectrometry; Amphetamine; Mefenorex; Pentylenetetrazole; Pharmaceuticals; Sports doping; Stimulant drugs; Colloidal silver, Surface enhanced 253(1991)145

Penicillamine

Spectrophotometry; Ferroin complex; Pharmaceuticals; o-Phenanthroline-iron(III) 257(1992)203

Pentano

Enthalpimetry; Solubilization thermodynamics; Surfactants; Benzyldimethyltetradecylammonium chloride, Trimethyltetradecylammonium chloride, Partition coefficients, Micellar system 251(1991)69

Pentylenetetrazole

Raman spectrometry; Amphetamine; Mefenorex; Pemoline; Pharmaceuticals; Sports doping; Stimulant drugs; Colloidal silver, Surface enhanced 253(1991)145

Peptides

Potentiometry; Copper 254(1991)89

Peroxidase-modified electrodes

Amperometry; Biosensors; Electrodes; Organic peroxides 254(1991)81

Perphenazine

Spectrophotometry; Amitriptyline; Blood; Imipramine; Pharmaceuticals; Serum; Diode array, Simultaneous 252(1991)107

Pervien

Fluorimetry; Benzo[a]pyrene; Polynuclear aromatic hydrocarbons; Sea water; Micellar media, Triton X-100 255(1991)107

Pesticides

Gas chromatography; Interlaboratory comparisons; Polychlorinated biphenyls; Serum; Aroclors 251(1991)281

Potentiometry; Biosensors; Enzyme inhibition; Ion-selective field effect transistors; Waters; Acetylcholinesterase, Dichlorvos 252(1991)7

Amperometry; Biosensors; Carbamate pesticides; Enzyme electrodes; Organophosphorus pesticides; Cholinesterase membrane, Cobalt phthalocyanine-modified carbon paste electrode 252(1991)11

Liquid chrom.; Spectrophotometry; Aldicarb; Carbamates; Carbaryl; Carbofuran; Photodegradation; Sea water; Waters; Diode-array detection 254(1991)235

Electrophoresis; Alphamethrine; Cypermethrine; Pyrethroid insecticides; Soils; Waters; Capillary isotachophoresis, Hydrolysis 256(1992)69

Chemiluminescence; Biosensors; Herbicides; Firefly luciferase genes, Luciferin, Membrane mutants of *E. coli*, Recombinant DNA technology 257(1992)183

Spectrophotometry; Carbaryl; Chlorpyrifos; Derivative spectroscopy; Multivariate analysis; Partial least squares, Zerocrossing point 258(1992)47

Flow system; Spectrophotometry; Fruit juices; Nitrophenols; Diode-array 258(1992)269

Fluorimetry; Bentazone; Herbicides; Dimethylformamide solvent 259(1992)61

Diffl. pulse voltammetry; Benomyl; Modified graphite electrode, OV-17 silicone 259(1992)325

Voltammetry; Cathodic stripping; Paraquat; Waters; Amberlite XAD-2 resin, Carbon paste electrode 260(1992)19

Petroleum distillates

Gas chromatography; Mass spectrometry; Arson analysis; Expert system 259(1992)225

pH

Potentiometry; Titrimetry; Acidity constants; Glass electrodes; Hydrogen ion concentration; Stability constants 255(1991)63

Chemiluminescence; Fluorimetry; Biological samples; Biosensors; Blood; Carbon dioxide; Glucose; Oxygen; Review; Biomedical 255(1991)209

Fluorimetry; Aqueous organic systems; Brønsted activity factors; Fluorescent indicator; Acetonitrile-water mixtures, Dissociation reaction, 2-Hydroxybiphenyl, Reprotonation reaction 255(1991)329

Potentiometry; Biosensors; Urea; Glass electrode, Urease immobilization 257(1992)67

Pharmaceuticals

Thermom. analysis; Dimyristoylphosphatidylcholine; Lipophilicity; Partition coefficients; Differential scanning calorimetry, Cardiac drugs 251(1991)79

Chemiluminescence; Liquid chrom.; Benzydamine; Dipyridamole; Plasma; Peroxyoxalate 251(1991)247

At. abs. spectrometry; Flow system; Amphetamines; Extraction; Urine; Metal dialkyldithiocarbamates, Isobutyl methyl ketone 252(1991)83

Spectrophotometry; Amitriptyline; Blood; Imipramine; Perphenazine; Serum; Diode array, Simultaneous 252(1991)107

Raman spectrometry; Amphetamine; Mefenorex; Pemoline; Pentylenetetrazole; Sports doping; Stimulant drugs; Colloidal silver, Surface enhanced 253(1991)145

Fluorimetry; Thioxanthenes; Orthophosphoric acid 255(1991) 103

Fluorimetry; Derivative spectroscopy; Hydralazine; Propranolol; First-derivative synchronous spectra 255(1991)317

Fluorimetry; Flow system; Waters; Zinc; 5,7-Dichloro-2-methylquinolin-8-ol chelate 255(1991)325 Chemiluminescence; Flow system; Antibiotics; Tetracyclines; Hexacyanoferrate(III), Lucigenin 255(1991)403

Diffl. pulse voltammetry; Clotiapine; Cathodic stripping, Hanging mercury drop electrode 256(1992)59

Spectrophotometry; Alloys; Bismuth; Extraction; 1-Naphtylmethyltriphenylphosphonium tetraiodobismuthate(III) 256 (1992)87

Fl; Flow system; Chlorpromazine; Photochemical derivatization; UV photo-oxidation 256(1992)105

Flow system; Voltammetry; Mitoxantrone; Urine; A.c. adsorptive stripping, Phase-selective 256(1992)231

Potentiometry; Polymeric membrane electrodes; Tizanidine 257(1992)41

Liquid chrom.; Spectrophotometry; Diuretics; H-point method; Standard addition method 257(1992)89

Spectrophotometry; Ferroin complex; Penicillamine; o-Phenanthroline-iron(III) 257(1992)203

Polarography; Antiepilepsirine 258(1992)171

Kinetic analysis; Thermom. analysis; Cobalt; Personal computer 258(1992)177

Liquid chrom.; Micellar chromatography; Urine; Sports banned drugs 259(1992)203

Spectrophotometry; Forgetting factor algorithm; Kalman filter 260(1992)75

Phase domain structures

Potentiometry; Ion transport; Lipid membranes; Surface charge; Dipalmitoylphosphatidic acid, Ion permeability, Phosphatidylcholine 257(1992)49

pH correction factors

Potentiometry; Spectrophotometry; Titrimetry; Acidity constants; Dioxane-water; Autoprotolysis constants 251(1991)321

Phenols

I.r. spectrometry; Hexa-2,4-dienylideneisopropylamine; Imines; Phenylprop-2-enylideneisopropylamine; Proton donors; Fourier transform, Stretching vibrations, Thermodynamic parameters 253(1991)81

I.r. spectrometry; Hexa-2,4-dienylideneisopropylamine; Imines; Phenylprop-2-enylideneisopropylamine; Proton donors; Fourier transform, Isotopic ratio 253(1991)89

Phosphorimetry; Fluorimetry; Phenylphenols; Filter-paper, Salt effect, Solid matrix 257(1992)139

Flow system; Kerosene; Membrane extraction-preconcentration; Naphtha 259(1992)37

Phenothiazines

Fluorimetry; T.l.c.; Acepromazine; Fibre-optic sensor; Propiomazine; In situ scanning 255(1991)297

Phenylphenols

Phosphorimetry; Fluorimetry; Phenols; Filter-paper, Salt effect, Solid matrix 257(1992)139

Phenylprop-2-enylideneisopropylamine

I.r. spectrometry; Hexa-2,4-dienylideneisopropylamine; Imines; Phenols; Proton donors; Fourier transform, Stretching vibrations, Thermodynamic parameters 253(1991)81

I.r. spectrometry; Hexa-2,4-dienylideneisopropylamine; Imines; Phenols; Proton donors; Fourier transform, Isotopic ratio 253(1991)89

Phenylpyruvate

Fluorimetry; Biosensors; Enzyme reactor; Ethanol; Fibre-optic sensor; Formate; Glucose; Lactate; Mannitol; Pyruvate; Enzyme/coenzyme immobilization, Liquid membrane 255(1991) 223

pH gradients

Flow system; Acidity constants; Evolving factor analysis; Indicators; Multivariate methods 255(1991)143

Phosphate

Spectrophotometry; Alizarin red sulphonate 251(1991)207

Flow system; Spectrophotometry; Fertilizers; Waters; Crystal Violet, 12-Molybdophosphate 254(1991)197

Phosphite

Spectrophotometry; Titrimetry; Hydrogen peroxide; Oxalate; Thallimetric oxidation 257(1992)159

Phosphonic acids

Chromatography; Ion exchange; Preconcentration; Waters; Adsorption resins, Exchange celluloses 254(1991)65

Phosphorescence

Chemiluminescence; Cyclodextrin; Tetrols; β-Cyclodextrinsodium chloride mixtures, Solid matrix, Stereoisomers 255(1991)335

Fluorimetry; Chemiluminescence; Acenaphthene; Cyclodextrin; 2-Bromoethanol 255(1991)351

Phosphorus

Extraction; Sea water; Waters; Iron(III) hydroxide-coated acrylic fibres, Molybdenum blue complex 260(1992)113

Photochemical derivatization

Fl; Flow system; Chlorpromazine; Pharmaceuticals; UV photo-oxidation 256(1992)105

Photodegradation

Liquid chrom.; Spectrophotometry; Aldicarb; Carbamates; Carbaryl; Carbofuran; Pesticides; Sea water; Waters; Diodearray detection 254(1991)235

Photolithographically patterned enzyme membrane

Amperometry; Biosensors; Enzyme electrodes; Glucose 251(1991)117

Phthalocyanines

Voltammetry 251(1991)39

Planetary surfaces

I.r. spectrometry; Emittance; Minerals; Remote sensing; Soils; Calcite, Grain size, Granite, Packing density, Talc 253(1991) 245

Plant-tissue electrodes

Amperometry; Ascorbic acid; Biosensors; Enzyme electrodes; Fruit juices; Cucumber juice 255(1991)53

Amperometry; Biosensors; Catechol; Enzyme electrodes; Potato slices 255(1991)59

Plant materials

Fluorimetry; Liquid chrom.; Biological samples; Carbohydrates; Fructose; Glucose; Serum; Wines; Post-column fluorigenic reaction 252(1991)173

Reference materials; Trace elements; White clover; BCR, Certification 259(1992)281

Plants

Diffl. pulse polarography; Molybdenum; Soils; Adsorptive complex, Cupferron 260(1992)35

Plasma

Flow system; Potentiometry; Calixarenes; Sodium; Membrane electrodes 251(1991)149

Mass spectrometry; Plasmas; Radiation exposure; Uranium; Urine 251(1991)183

Chemiluminescence; Liquid chrom.; Benzydamine; Dipyridamole; Pharmaceuticals; Peroxyoxalate 251(1991)247

Gas chromatography; GC detector; Microwave induced plasma discharge; TM resonant cavity 257(1992)309

Plasmas

Mass spectrometry; Plasma; Radiation exposure; Uranium; Urine 251(1991)183

At. emission spectrom.; Flow system; Aluminium alloys; Electrolytic dissolution; Inductively coupled 251(1991)187

Spectrophotometry; Chloride; Optical membrane; Serum; Chromoionophore, Optode 255(1991)35

At. emission spectrom.; Biological samples; Extraction; Inorganic constituents; EDTA, Inductively coupled, Tetramethylammonium hydroxide 256(1992)277

At. emission spectrom.; Preconcentration; Sea water; Trace metals; Waters; Amberlite XAD-2 chelating resin, Inductively coupled, On-line, Quinolin-8-ol 258(1992)237

Platelet antibodies

Fluorimetry; Thrombocyte surface markers; Serial operatorindependent measurements, Standardization 255(1991)289

Platinum

Extraction; Mass transfer; Palladium; Solid-supported liquid membrane; Liquid-liquid, Thiocyanate, Triisobutylphosphine sulphide 251(1991)233

Platinum group metals

Ion exchange; Donnan dialysis; Gold; Ion-exchange membranes; Preconcentration 255(1991)169

Platinum / silica catalyst

I.r. spectrometry; Acetylene; Ethylene; Fourier transform, Hydrogen effect, Surface species 253(1991)29

Plutonium

Potentiometry; Titrimetry; Scale-down 256(1992)163

Poisons

Liquid chrom.; Metals; Paralytic shellfish poisons 254(1991)41

Polarimetry

Liquid chrom.; Spectrophotometry; Chiroptical detection; Circular dichroism; Enantioselective detection; 1,1'-Bi-2-naphthol, 3,9-Dibromocamphor 258(1992)83

Polyamines

Liquid chrom.; Aminobutyric acid; Biological samples; Cadaverine; Putrescine; Spermidine; Spermine; Electrochemical detection, Gradient elution, o-Phthalaldehyde-β-mercaptoethanol precolumn derivatization, Rat tissues 251(1991)101

Polyaniline

Chromatography; Cyclic voltammetry; Flow system; Ion exchange; Conducting polymers; Chemically modified electrodes 252(1991)53

Polychlorinated biphenyls

Gas chromatography; Interlaboratory comparisons; Pesticides; Serum; Aroclors 251(1991)281

Gas chromatography; Principal components; Biological activity 259(1992)89

Polychlorinated dibenzodioxines

Gas chromatography; Retention behaviour; Descriptors, Linear regression 258(1992)183

Polychlorinated dibenzofurans

Gas chromatography; Retention behaviour; Descriptors, Linear regression 258(1992)199

Polycyclic aromatic compounds

Fluorimetry; Spectrophotometry; Benzo[b]carbazole; Bibenzyl; Naphthacene; Zone melting; Diffusion coefficients 251(1991)241

Polyethylene

I.r. spectrometry; Catalytic degradation; Pyrolysis; Fourier transform, Metal-catalysed oxidation 253(1991)33

Poly(ethylene oxide)

Amperometry; Ferrocene; Glucose; Electron transfer, Glucose oxidase, Polymeric relay system 251(1991)121

Polyion complex bilayers

Potentiometry; Anion-sensing membranes; Ion-sensitive field

effect transistors; Dioctadecyldimethylammonium poly(styrene sulphonate) 252(1991)41

Polymer blends

I.r. spectrometry; Poly(vinyl acetate); Poly(vinylidene fluoride); Fourier transform, Compatibility 253(1991)21

Polymeric membrane electrodes

Potentiometry; Pharmaceuticals; Tizanidine 257(1992)41

Polymers

I.r. spectrometry; Force constants; Fragment method; Hydrogen bonding; Polyurethane; Intermolecular interactions 253(1991)183

Degree of neutralization; Ion-selective electrodes; Sodium; Superabsorbent polymers; Air, Diapers 260(1992)13

Polynuclear aromatic hydrocarbons

Gas chromatography; I.r. spectrometry; Fourier transform, Spectral library 253(1991)189

Mass spectrometry; Liquid chrom.; Gas chromatography; Nitrated polynuclear aromatic hydrocarbons, Fluorescence detection 254(1991)27

Fluorimetry; Benzo[a]pyrene; Perylene; Sea water; Micellar media, Triton X-100 255(1991)107

Fluorimetry; Fibre-optic sensor; Time-resolved laser-induced 255(1991)231

Electrophoresis; Fluorimetry; Anthracenes; Coal, Cyclodextrin modified, Helium-cadmium laser, Oil 256(1992)3

Fluorimetry; Derivative spectroscopy; Constant-energy synchronous 256(1992)285

Liquid chrom.; Retention time prediction, Gradient elution 258(1992)93

Polynucleation

Conditional constants; Predominance-zone diagrams 259 (1992)95

Polytetrafluoroethylene traps

Mass spectrometry; Ammonium; Diffusion; Nitrate; Nitrogen; Soils 252(1991)201

Polyurethane

I.r. spectrometry; Force constants; Fragment method; Hydrogen bonding; Polymers; Intermolecular interactions 253(1991) 183

Polyurethane foam

Spectrophotometry; Ceramics; Extraction; Glass; Vanadium; Salicylhydroxamic acid complex 257(1992)123

Alkylammonium ions; Extraction; Foam extraction; Dipicrylaminates, Tetraphenylborates 260(1992)123

Poly(vinyl acetate)

I.r. spectrometry; Polymer blends; Poly(vinylidene fluoride); Fourier transform, Compatibility 253(1991)21

Poly(vinyl alcohol) matrix

Chemiluminescence; Biosensors; Enzyme reactor; Fibre-optic sensor; Self-containment; Flavin cofactor, Immobilized 255(1991)253

Poly(vinylidene fluoride)

I.r. spectrometry; Polymer blends; Poly(vinyl acetate); Fourier transform, Compatibility 253(1991)21

Porphyrins

Fluorimetry; Flow system; Visible laser fluorimetry 254(1991) 189

Chemiluminescence; Oxalate; Urine; Carbodiimide, Hydrogen peroxide, Peroxyoxalate 255(1991)413

Potassium

Fluorimetry; Flow system; Blood; Membrane electrodes; Immobilized hexadecyl-acridine orange, PVC membrane 255(1991)97

Precipitation

Activ. analysis; At. abs. spectrometry; Hydride generation; Arsenate; Speciation; Waters; Molybdate complex, Tetraphenyl phosphonium chloride 252(1991)89

Preconcentration

At. abs. spectrometry; Anod. stripping voltammetry; Cadmium; Electrolytic separation; Lead; Silver; Electrolysis, Microscale 252(1991)211

Gas chromatography; Amines; Methylamines; Sea water; Sediments; Waters; Microdiffusion, Volatile amines 252(1991)223

Chromatography; Ion exchange; Phosphonic acids; Waters; Adsorption resins, Exchange celluloses 254(1991)65

Liquid chrom.; Cation-exchange resins; Chelating cation-exchange resins; Paralytic shellfish poisons; Saxitoxin; Toxins 255(1991)163

Ion exchange; Donnan dialysis; Gold; Ion-exchange membranes; Platinum group metals 255(1991)169

At. abs. spectrometry; Flow system; Desferrioxamine; Graphite furnace, Immobilized, Peritoneal dialysis solutions 256(1992)75

At. abs. spectrometry; Antarctic snow; Heavy metals 258 (1992)229

At. emission spectrom.; Plasmas; Sea water; Trace metals; Waters; Amberlite XAD-2 chelating resin, Inductively coupled, On-line, Quinolin-8-ol 258(1992)237

Anod. stripping voltammetry; Flow system; Sea water; Trace metals; Waters; Immobilized quinolin-8-ol, Silica gel 258(1992)245

Flow system; Spectrophotometry; Cyanide; Gas permeation; Membrane separation; Waters; Isonicotinate-pyrazolone, Konig's reaction, Silicone-rubber 259(1992)45

At. abs. spectrometry; Flow system; Ion exchange; Chelating resins; Lead; Quinolin-8-ol resins 259(1992)53

Predominance-zone diagrams

Conditional constants; Polynucleation 259(1992)95

Principal components analysis

Liquid chrom.; Canonical correlation; Hilditch's theory; Olive oils; Triacylglycerols 259(1992)115

Propane-1,2-diol

Fluorimetry; Flow system; Enzyme reactor; Propylene oxide; Immobilized glycerol dehydrogenase 252(1991)145

Propiomazine

Fluorimetry; T.I.c.; Acepromazine; Fibre-optic sensor; Phenothiazines; In situ scanning 255(1991)297

Propranolol

Fluorimetry; Derivative spectroscopy; Hydralazine; Pharmaceuticals; First-derivative synchronous spectra 255(1991)317

Propylene oxide

Fluorimetry; Flow system; Enzyme reactor; Propane-1,2-diol; Immobilized glycerol dehydrogenase 252(1991)145

Proteins

Voltammetry; Ferredoxins; Iron-sulphur clusters; Redox properties, Clostridium pasteurianum, Electrostatic potential 251(1991)27

Potentiometry; Titrimetry; Acetic acid; Basicity; Lysine; Screened indicator 256(1992)177

Spectrophotometry; Amino acids; Lysine; Furfuraldehyde 257(1992)209

Proton donors

I.r. spectrometry; Hexa-2,4-dienylideneisopropylamine; Imines; Phenols; Phenylprop-2-enylideneisopropylamine; Fourier transform, Stretching vibrations, Thermodynamic parameters 253(1991)81

I.r. spectrometry; Hexa-2,4-dienylideneisopropylamine; Imines; Phenols; Phenylprop-2-enylideneisopropylamine; Fourier transform, Isotopic ratio 253(1991)89

Prussian Blue-modified electrode

Amperometry; Cyclic voltammetry; Flow system; Hydrazine; Glassy carbon electrode, Nafion film 257(1992)275

Putrescine

Liquid chrom.; Aminobutyric acid; Biological samples; Cadaverine; Polyamines; Spermidine; Spermine; Electrochemical detection, Gradient elution, *o*-Phthalaldehyde-β-mercaptoethanol precolumn derivatization, Rat tissues 251(1991)101

Pyrantel

Potentiometry; Anthelmintics; Ion-selective electrodes; Poly (vinyl chloride), Protein interference 256(1992)257

Pyrazinamide

Potentiometry; Biosensors; Chemoreceptors; Crayfish; Video imaging inverted biological microscope 256(1992)39

Pyrethroid insecticides

Electrophoresis; Alphamethrine; Cypermethrine; Pesticides; Soils; Waters; Capillary isotachophoresis, Hydrolysis 256 (1992)69

Pyrolysis

I.r. spectrometry; Catalytic degradation; Polyethylene; Fourier transform, Metal-catalysed oxidation 253(1991)33

Pyruvate

Fluorimetry; Biosensors; Enzyme reactor; Ethanol; Fibre-optic sensor; Formate; Glucose; Lactate; Mannitol; Phenylpyruvate; Enzyme/coenzyme immobilization, Liquid membrane 255 (1991)223

Q

Quantitative structure-electrochemistry relationships

D.c. polarography; Aziridinylquinones; Benzoquinones; Electronic substituent constants; Naphthoquinones 257(1992)257

Quantitative structure-retention relationships

Gas chromatography; Alkylbenzenes; Linear models 260 (1992)69

Quartz resonator

Lipid film; Odorants; Resonance; Viscoelasticity; Asolectin, Cholesterol, Lipid coating 251(1991)135

Quartz sensors

Piezoelectric sensors; Cresols; Waters; Regression analysis, Silver-coated AT-cut quartz crystals 251(1991)143

Quinalphos

Fluorimetry; Citrus fruits 255(1991)311

R

Radiation exposure

Mass spectrometry; Plasma; Plasmas; Uranium; Urine 251(1991)183

Radioactive wastes

Extraction; Technetium; Ammonium tetramethylenedithiocarbamate, Chloroform, Complexation 256(1992)293

Rain water

Principal components; At. abs. spectrometry; Acid rain; Cross-validation; Factor analysis; Waters 258(1992)1

Rare earth elements

X-ray fluores. spectrometry; Geological materials; Rocks; Total reflection 251(1991)177

Spectrophotometry; Minerals; p-Acetylchlorophosphonazo 257(1992)117

At. emission spectrom.; Fluorimetry; Elemental analysis; Inductively coupled plasma; Lasers; Spectral interference; Dysprosium, Gadolinium 258(1992)73

Beryllium; Extraction; Scandium; Yttrium; Bis(4-acylpyrazol-5-one) derivatives, Polymethylene chain length, Steric effects 259(1992)25

Activ. analysis; Biological samples; Standard reference materials; Coprecipitation 259(1992)159

Fluorimetry; Dysprosium; Europium; Fluorescence enhancement; Terbium; Sodium benzoate, Trioctylphosphine oxide 260(1992)135

Rare earth mixtures

Spectrophotometry; Neodymium; Fourth derivative, Xylenol orange-pyridinium complex 254(1991)153

Reaction intermediate

I.r. spectrometry; Titrimetry; Bunsen reaction; Iodation; Karl Fischer reaction; Cyclohexylamine, Methanol, Pyridine, Sulphur trioxide 257(1992)165

Recombinant human interleukin

Calcium; Interleukin-1\(\beta\); Mesangial cells 259(1992)355

Reduction

Kinetic analysis; Voltammetry; Acetylpenicillamine thionitrite; Butyl hydroperoxide; Electron transfer reactions; Irreversible reactions, Square-wave 251(1991)13

Reduction mechanism

D.c. polarography; Nickel complexes; Dropping mercury electrode, Malonic acid, Succinic acid 259(1992)311

Reference materials

Plant materials; Trace elements; White clover; BCR, Certification 259(1992)281

Relative band intensities

Raman spectrometry; Sample alignment; Carbon tetrachloride, Polarized Fourier transform, Tetrahydrofuran 253(1991) 257

Remote sensing

I.r. spectrometry; Emittance; Minerals; Planetary surfaces; Soils; Calcite, Grain size, Granite, Packing density, Talc 253(1991)245

Resins

Flow system; Kinetic analysis; Spectrophotometry; Formaldehyde; Sulphite; Waters; Brilliant Green 252(1991)167

Resonance

Lipid film; Odorants; Quartz resonator; Viscoelasticity; Asolectin, Cholesterol, Lipid coating 251(1991)135

Retention behaviour

Gas chromatography; Polychlorinated dibenzodioxines; Descriptors, Linear regression 258(1992)183

Gas chromatography; Polychlorinated dibenzofurans; Descriptors, Linear regression 258(1992)199

Reversed micelles

Chemiluminescence; Flow system; Amino acids; Schiff bases; Sodium bis(2-ethylhexyl)sulphosuccinate 259(1992)67

Reversible electrode processes

Cyclic voltammetry; iR drop errors; Uncompensated resistance; N,N'-Bis(salicylidene)ethylenediamine-cobalt(II), Numerical method 256(1992)243

Review

Gas chromatography; Environmental samples; Sulphur; Detectors 255(1991)1

Chemiluminescence; Fluorimetry; Biological samples; Biosensors; Blood; Carbon dioxide; Glucose; Oxygen; pH; Biomedical 255(1991)209

Robots

Spectrophotometry; Artificial intelligence; Colorimetry; Iron; Standard addition; Aqueous samples, Bathocuproine 254(1991)215

Rocks

X-ray fluores. spectrometry; Geological materials; Rare earth elements; Total reflection 251(1991)177

Activ. analysis; Ion exchange; Antimony; Arsenic; Geological materials; Molybdenum; Silicates; Tungsten; Alumina inorganic ion exchange, Epithermal neutron activation 251(1991) 297

Isotope dilut. analysis; Mass spectrometry; Geological materials; Silicate rocks; Thorium; Uranium 256(1992)153

Spectrophotometry; Chromium; Geological materials; Azo dye 257(1992)129

Ruthenium

Fluorimetry; Osmium; 1,10-Phenanthroline, Silica sorbents 257(1992)109

S

Salbutamol

Flow system; Spectrophotometry; Extraction 260(1992)65

Sample alignment

Raman spectrometry; Relative band intensities; Carbon tetrachloride, Polarized Fourier transform, Tetrahydrofuran 253(1991)257

Sample introduction

Gas chromatography; Bacillus subtilis metabolites; Biological samples; Automation, On-line 255(1991)91

At. abs. spectrometry; Carbon dioxide; Carriers; Supercritical carbon dioxide 258(1992)55

Sandwich techniques

Flow system; Enzyme reactor; Glucose; Glycerol; Mathematical modelling; Two-analyte sequential determinations, Univariate optimization 254(1991)177

Saxitoxin

Liquid chrom.; Cation-exchange resins; Chelating cation-exchange resins; Paralytic shellfish poisons; Preconcentration; Toxins 255(1991)163

Scandium

Beryllium; Extraction; Rare earth elements; Yttrium; Bis(4-acylpyrazol-5-one) derivatives, Polymethylene chain length, Steric effects 259(1992)25

Scan time

Liquid chrom.; Principal components; Diode-array detectors; Evolving factor analysis 256(1992)125

Schiff bases

Chemiluminescence; Flow system; Amino acids; Reversed micelles; Sodium bis(2-ethylhexyl)sulphosuccinate 259(1992)67

Seafood products

At. abs. spectrometry; Arsenic; Hydride generation 258(1992) 61

Sea water

At. abs. spectrometry; Electrotherm. atomization; Alkyltin compounds; Chemical modifiers; Paints; Tin; Graphite furnace, Organopalladium compounds, Sensitivity enhancement 252(1991)77

At. abs. spectrometry; Flow system; Antimony; Hydride generation; Waters; Continuous flow 252(1991)161

Gas chromatography; Amines; Methylamines; Preconcentration; Sediments; Waters; Microdiffusion, Volatile amines 252(1991)223

Liquid chrom.; Spectrophotometry; Aldicarb; Carbamates; Carbaryl; Carbofuran; Pesticides; Photodegradation; Waters; Diode-array detection 254(1991)235

Fluorimetry; Benzo[a]pyrene; Perylene; Polynuclear aromatic hydrocarbons; Micellar media, Triton X-100 255(1991)107

Voltammetry; Copper complexation 257(1992)281

At. emission spectrom.; Plasmas; Preconcentration; Trace metals; Waters; Amberlite XAD-2 chelating resin, Inductively coupled, On-line, Quinolin-8-ol 258(1992)237

Anod. stripping voltammetry; Flow system; Preconcentration; Trace metals; Waters; Immobilized quinolin-8-ol, Silica gel 258(1992)245

Liquid chrom.; Amino acids; Copper; Waters; Reversed-phase C₁₈-silica, LiChrosorb 260(1992)99

Extraction; Phosphorus; Waters; Iron(III) hydroxide-coated acrylic fibres, Molybdenum blue complex 260(1992)113

Sediments

Gas chromatography; Amines; Methylamines; Preconcentration; Sea water; Waters; Microdiffusion, Volatile amines 252(1991)223

Selenium

At. abs. spectrometry; Coal fly ash; Graphite furnace, Mercury-palladium chemical modifier 259(1992)295

Self-absorption

I.r. spectrometry; Raman spectrometry; Tetrahydrofuran; Fourier transform 253(1991)263

Self-containment

Chemiluminescence; Biosensors; Enzyme reactor; Fibre-optic sensor; Poly(vinyl alcohol) matrix; Flavin cofactor, Immobilized 255(1991)253

Semiconductor laser spectrometry

Fluorimetry; Flow system; Blood; Dehydrogenase; Ethanol; Enzyme reactor; Diaphorase, Methylene blue, NADH 251(1991)191

Semipermeable membrane

Amperometry; Flow system; Diffusion; Hydrogen cyanide; Separation efficiency, Two sample loop system 251(1991)261

Sensitivity

Chemiluminescence; Immunoassay; Estradiol; Solid phase 255(1991)417

Sensory evaluation

Principal components; Pattern recognition; Apricot; Fruits; Partial least squares 259(1992)257

Sensory panel

I.r. spectrometry; Chocolate; Cocoa; Chemometrics 253 (1991)161

Serum

Gas chromatography; Interlaboratory comparisons; Pesticides; Polychlorinated biphenyls; Aroclors 251(1991)281

Spectrophotometry; Amitriptyline; Blood; Imipramine; Perphenazine; Pharmaceuticals; Diode array, Simultaneous 252(1991)107

Fluorimetry; Liquid chrom.; Biological samples; Carbohydrates; Fructose; Glucose; Plant materials; Wines; Post-column fluorigenic reaction 252(1991)173

Spectrophotometry; Chloride; Optical membrane; Plasmas; Chromoionophore, Optode 255(1991)35

Chemiluminescence; Flow system; Biosensors; Enzyme reactor; Lactate; Microorganisms; Milk; Immobilized, Nylon coil 255(1991)259

Fluorimetry; Flow system; Enzyme reactor; Glutamate; Immobilized glutamate dehydrogenase, Poly(vinyl alcohol) beads 256(1992)221

Biosensor; Blood; Cholesterol; Enzyme reactor; Fibre-optic sensor; Cholesterol esterase, Cholesterol oxidase, Nylon membrane 256(1992)263

Activ. analysis; Blood; Trace elements; Ion exchange 257 (1992)1

Anod. stripping voltammetry; Cholesterol; Hanging mercury drop electrode 257(1992)15

Amperometry; Alkaline phosphatase; Aminophenol; Cellulose acetate membrane, Kinetic response 257(1992)21

Amperometry; Liquid chrom.; Blood; Enzyme reactor; Ethanol; Alcohol oxidase, Glucose oxidase, Hydroxyethylmethacrylate sorbent 257(1992)73

Shake-flask method

Liquid chrom.; Cyclodextrins; Hydroxypropyl-β-cyclodextrin; Partition coefficients; Cyclodextrin-water, Inclusion complex, Octanol-water, Three-phase model 255(1991)157

Silica

Activ. analysis; Standardization; Inter-laboratory comparison 254(1991)127

Silica gels

Liquid chrom.; Acylation; Gas-phase 255(1991)197

Silicate rocks

Isotope dilut. analysis; Mass spectrometry; Geological materials; Rocks; Thorium; Uranium 256(1992)153

Silicates

Activ. analysis; Ion exchange; Antimony; Arsenic; Geological materials; Molybdenum; Rocks; Tungsten; Alumina inorganic ion exchange, Epithermal neutron activation 251(1991)297

Silver

At. abs. spectrometry; Anod. stripping voltammetry; Cadmium; Electrolytic separation; Lead; Preconcentration; Electrolysis, Microscale 252(1991)211

Silver benzoate / salicylate

I.r. spectrometry; Raman spectrometry; Anhydrous/hydrated metal complexes; Chromium benzoate/salicylate; Iron(III) benzoate/salicylate; Aromatic system 253(1991)211

SIMCA methods

Mass spectrometry; Pattern recognition; Hazardous compounds 257(1992)229

Simplex optimization

Optimization; Convergence ability, Modified simplex methods 259(1992)243

Snow

At. fluor. spectrometry; Cadmium; Ice; Laser excitation; Antarctic 251(1991)169

Sodium

Flow system; Potentiometry; Calixarenes; Plasma; Membrane electrodes 251(1991)149

Potentiometry; Ion-sensitive field-effect transistor; Calixarene derivatives 254(1991)75

Anod. stripping voltammetry; Voltammetry; Alkylalkoxysilanes; Square-wave voltammetry 258(1992)289

Potentiometry; Crown ethers; Ion-selective electrodes; PVC membranes 259(1992)145

Degree of neutralization; Ion-selective electrodes; Polymers; Superabsorbent polymers; Air, Diapers 260(1992)13

Sodium, potassium adenosine-5'-triphosphatase

Enthalpimetry; Adenosine-5'-triphosphate; Catalytic activity; Enzyme reactor; Erythrocyte membrane; Batch microcalorimetry, Hydrolysis 252(1991)17

Soft modelling

Pattern recognition; Cheese; Neural networks; Waters; Backward error propagation 256(1992)133

Soil

TNT; Trinitrotoluene 258(1992)341

Soils

Diffl. pulse voltammetry; Alizarin-modified electrode; Aluminium; Portable monitor 251(1991)157

Mass spectrometry; Ammonium; Diffusion; Nitrate; Nitrogen; Polytetrafluoroethylene traps 252(1991)201

I.r. spectrometry; Emittance; Minerals; Planetary surfaces; Remote sensing; Calcite, Grain size, Granite, Packing density, Talc 253(1991)245

Gas chromatography; Liquid chrom.; Chlorophenoxyacetic acids; Extraction-methylation; Herbicides; Benzyltrimethylammonium chloride 255(1991)187

Electrophoresis; Alphamethrine; Cypermethrine; Pesticides; Pyrethroid insecticides; Waters; Capillary isotachophoresis, Hydrolysis 256(1992)69

Amperometry; Flow system; Aluminium; 1,2-Dihydroxy-anthraquinone-3-sulphonic acid complex 256(1992)117

Diffl. pulse polarography; Molybdenum; Plants; Adsorptive complex, Cupferron 260(1992)35

Sol-gel glasses

Colorimetric glass detectors; Disposable tube detectors; Length of stain detectors; Waters 256(1992)65

Solid-supported liquid membrane

Extraction; Mass transfer; Palladium; Platinum; Liquid-liquid, Thiocyanate, Triisobutylphosphine sulphide 251(1991)233

Solid particle supports

Fluorimetry; Flow system; Adsorption, Chemical binding, Fibre-optic guide 256(1992)33

Solubilization thermodynamics

Enthalpimetry; Pentanol; Surfactants; Benzyldimethyltetradecylammonium chloride, Trimethyltetradecylammonium chloride, Partition coefficients, Micellar system 251(1991)69

Solute focusing

Flow system; Liquid chrom.; Capacity factor; Solute-focusing column location 255(1991)127

Solution conductivity

Conductimetry/oscillometry; Bipolar pulse conductance instrument; Urea; Current and voltage modes, Sampled and integrated signal acquisition 252(1991)29

Speciation

Activ. analysis; At. abs. spectrometry; Hydride generation; Arsenate; Precipitation; Waters; Molybdate complex, Tetraphenyl phosphonium chloride 252(1991)89

Kinetic analysis; Spectrophotometry; Iron; Laser thermal lensing; Metal ions; Waters; Fulvic acids, Humic acids 256 (1992)183

Spectral interference

At. emission spectrom.; Fluorimetry; Elemental analysis; Inductively coupled plasma; Lasers; Rare earth elements; Dysprosium, Gadolinium 258(1992)73

Spectroelectrochemistry

I.r. spectrometry; Fourier transform 253(1991)101

Spent brine

Spectrophotometry; Bromide; Fibre-optic sensor; Chloramine-T oxidation, On-line 256(1992)97

Spermidine

Liquid chrom.; Aminobutyric acid; Biological samples; Cadaverine; Polyamines; Putrescine; Spermine; Electrochemical detection, Gradient elution, *o*-Phthalaldehyde-β-mercaptoethanol precolumn derivatization. Rat tissues 251(1991)101

Spermine

Liquid chrom.; Aminobutyric acid; Biological samples; Cadaverine; Polyamines; Putrescine; Spermidine; Electrochemical detection, Gradient elution, o-Phthalaldehyde-β-mercaptoethanol precolumn derivatization, Rat tissues 251(1991)101

Sports doping

Raman spectrometry; Amphetamine; Mefenorex; Pemoline; Pentylenetetrazole; Pharmaceuticals; Stimulant drugs; Colloidal silver, Surface enhanced 253(1991)145

Square-wave voltammetry

Anod. stripping voltammetry; Voltammetry; Alkylalkoxysilanes; Sodium 258(1992)289

Stability constants

Cyclic voltammetry; Hexacyanoferrate; Tetramethylammonium complexes; Ion pairs 251(1991)35

Potentiometry; Titrimetry; Acidity constants; Glass electrodes; Hydrogen ion concentration; pH 255(1991)63

Stack gas

Liquid chrom.; Air; Aldehydes; Exhaust gas; Gases; Bubbler, 2,4-Dinitrophenylhydrazones 257(1992)99

Staining

Chemiluminescence; Cytochrome P-450 isoenzymes; Enzyme systems; Western blots 255(1991)359

Standard addition

Spectrophotometry; Artificial intelligence; Colorimetry; Iron; Robots; Aqueous samples, Bathocuproine 254(1991)215

Standard addition method

Liquid chrom.; Spectrophotometry; Diuretics; H-point method; Pharmaceuticals 257(1992)89

Standardization

Activ. analysis; Silica; Inter-laboratory comparison 254(1991) 127

Standard reference materials

Activ. analysis; Biological samples; Rare earth elements; Coprecipitation 259(1992)159

Stationary phases

Gas chromatography; Free energy of solvation model 259(1992)1

Steels

Chromatography; At. emission spectrom. 254(1991)109

Spectrophotometry; Extraction; Niobium; Dichlorobenzene, Naphthylmethyltriphenylphosphonium chloride, Thiocyanate 256(1992)307

Spectrophotometry; Extraction; Interference; Manganese (VII); Benzyltributylammonium chloride 258(1992)325

Kinetic analysis; Spectrophotometry; Manganese; Terephthalmonohydroxamic acid 25%(1992)339

Stereoscopic data visualization

Pattern recognition; Data visualization 259(1992)79

Sterility

Chemiluminescence; Adenosine triphosphate; Bacteria; Injectable preparations 255(1991)423

Steroids

Liquid chrom.; Brassinosteroids; Boronate derivatives, C-24 epimers, Reversed-phase 256(1992)319

Polarography; Estradiol; Estriol; Urine; Single-sweep 259 (1992)305

Stimulant drugs

Raman spectrometry; Amphetamine; Mefenorex; Pemoline; Pentylenetetrazole; Pharmaceuticals; Sports doping; Colloidal silver, Surface enhanced 253(1991)145

Subtransition

I.r. spectrometry; Dipalmitoylphosphatidylcholine multibilayers; Multibilayers; Attenuated total reflection, Fourier transform 253(1991)95

Sucrose

Fluorimetry; Liquid chrom.; Enzyme reactor; Foods; Glucose; Sugars; Immobilized sorbitol dehydrogenase 259(1992)15

Sugars

Fluorimetry; Liquid chrom.; Enzyme reactor; Foods; Glucose; Sucrose; Immobilized sorbitol dehydrogenase 259(1992)15

Sulphite

Kinetic analysis; Spectrophotometry; Foods; Fruit juices; Brilliant Green 252(1991)121

Flow system; Kinetic analysis; Spectrophotometry; Formaldehyde; Resins; Waters; Brilliant Green 252(1991)167

Sulphur

At. emission spectrom.; Flow system; Diethyldithiocarbamate; Molecular emission spectrometry; Colloidal sulphur, Disulphur emission, Sulphur anions 251(1991)197

Gas chromatography; Environmental samples; Review; Detectors 255(1991)1

Sulphur compounds

Activ. analysis; Gold electrodes; Thiourea 260(1992)1

Superabsorbent polymers

Degree of neutralization; Ion-selective electrodes; Polymers; Sodium, Air, Diapers 260(1992)13

Superconductors

Spectrophotometry; Barium; Ceramics; Copper; Yttrium; Partial least-squares regression 257(1992)195

Supercritical carbon dioxide

At. abs. spectrometry; Carbon dioxide; Carriers; Sample introduction 258(1992)55

Surface charge

Potentiometry; Ion transport; Lipid membranes; Phase domain structures; Dipalmitoylphosphatidic acid, Ion permeability, Phosphatidylcholine 257(1992)49

Surfactants

Enthalpimetry; Pentanol; Solubilization thermodynamics; Benzyldimethyltetradecylammonium chloride, Trimethyltetradecylammonium chloride, Partition coefficients, Micellar system 251(1991)69

Fluorimetry; Flow system; Micellar interactions; 2-(4-Amino-2-hydroxyphenyl)benzothiazole, PAS-S 256(1992)225

Extraction; Dichloroethane, Ion pairs, Poly(oxyethylene) chain, Triton X-100 256(1992)311

Polarography; Gas stripping; Tensammetry; Waters; Calibration, Non-ionic 260(1992)25

T

Tantalum

Potentiometry; Electrochemical reduction; Molten fluorides, Diffusion 251(1991)53

At. emission spectrom.; Niobium 258(1992)329

Technetium

Extraction; Radioactive wastes; Ammonium tetramethylenedithiocarbamate, Chloroform, Complexation 256(1992) 293

Temperature sensors

Titrimetry; Thermom. analysis; Enthalpimetry; Barium titanate; Ferroelectric temperature sensors; Ferroelectric ceramics, Thermometric redox titrations, Wheatstone bridge 251(1991)59

Tensammetry

Polarography; Gas stripping; Surfactants; Waters; Calibration, Non-ionic 260(1992)25

Terbium

Chemiluminescence; Electrogeneration, Oxide-covered aluminium electrode 252(1991)65

Chemiluminescence; Electroluminescence; Lanthanides; Aluminium disc electrodes, 2,6-Bis[N,N-bis(carboxymethyl) aminomethyl]-4-benzoylphenol chelates, Cathodically induced, Time-resolved 256(1992)17

Fluorimetry; Dysprosium; Europium; Fluorescence enhancement; Rare earth elements; Sodium benzoate, Trioctylphosphine oxide 260(1992)135

Tetracyclines

Chemiluminescence; Flow system; Antibiotics; Pharmaceuticals; Hexacyanoferrate(III), Lucigenin 255(1991)403

Tetrahydrofuran

I.r. spectrometry; Raman spectrometry; Self-absorption; Fourier transform 253(1991)263

Tetramethylammonium complexes

Cyclic voltammetry; Hexacyanoferrate; Stability constants; Ion pairs 251(1991)35

Tetrols

Chemiluminescence; Cyclodextrin; Phosphorescence; β-Cyclodextrin-sodium chloride mixtures, Solid matrix, Stereo-isomers 255(1991)335

Thallimetric oxidation

Spectrophotometry; Titrimetry; Hydrogen peroxide; Oxalate; Phosphite 257(1992)159

Thermal decomposition

Gas chromatography; Hot wire; Modulator; Correlation 252(1991)187

Thermal lens spectrometry

Hexacyanoferrate(III); Laser photolysis; Radiation pressure, Transport effects 257(1992)217

Thermochromism

Flow system; Spectrophotometry; Acetylcholine; Choline; Extraction; Ion association complexes, Tetrabromophenolphthalein ethyl ester 255(1991)135

Thiatriazolthiolate catalysis

Kinetic analysis; Spectrophotometry; Hydrogen sulphite oxidation; Oxygen; Sulphite interference, pH 254(1991)245

Thiohydantoins

T.l.c.; Iodine-azide reaction; Induction 257(1992)135

Thiols

Electrophoresis; Fluorimetry; Blood; Capillary zone electrophoresis; Glutathione 255(1991)283

Thioure

Activ. analysis; Gold electrodes; Sulfur compounds 260(1992)1

Thioxanthenes

Fluorimetry; Pharmaceuticals; Orthophosphoric acid 255 (1991)103

Thorium

Isotope dilut. analysis; Mass spectrometry; Geological materials; Rocks; Silicate rocks; Uranium 256(1992)153

Thrombin

Potentiometry; Enzyme electrodes; Carbon paste electrodes, Graphitic carbon electrodes, p-Nitroaniline 257(1992)247

Thrombocyte surface markers

Fluorimetry; Platelet antibodies; Serial operato; independent measurements, Standardization 255(1991)289

Time-domain representation

Acoustic emission; Electrolysis; Frequency-domain representation; Waters 254(1991)223

Tin

At. abs. spectrometry; Electrotherm. atomization; Alkyltin compounds; Chemical modifiers; Paints; Sea water; Graphite furnace, Organopalladium compounds, Sensitivity enhancement 252(1991)77

At. abs. spectrometry; Hydride generation; Antimony; Arsenic 258(1992)307

Titanium

Spectrophotometry; Geological materials; Minerals; Ores; Cold acid decomposition, Fluoride complexation, Tiron 251(1991)205

Voltammetry; Molybdenum; Waters 257(1992)293

Titanium oxide films

I.r. spectrometry; Chemical vapour deposition; Double modulation; Emission, In situ observation 253(1991)239

Tizanidine

Potentiometry; Pharmaceuticals; Polymeric membrane electrodes 257(1992)41

TM resonant cavity

Gas chromatography; GC detector; Microwave induced plasma discharge; Plasma 257(1992)309

TNT

Soil; Trinitrotoluene 258(1992)341

Tobacco callus

Amperometry; Biosensors; Enzyme electrodes; Hydrogen peroxide; In vitro cultured 257(1992)59

Tobacco products

I.r. spectrometry; Microscopy; Fourier transform 253(1991)15

Toving

Liquid chrom.; Cation-exchange resins; Chelating cation-exchange resins; Paralytic shellfish poisons; Preconcentration; Saxitoxin 255(1991)163

Trace elements

Activ. analysis; Blood; Serum; Ion exchange 257(1992)1

Plant materials; Reference materials; White clover; BCR, Certification 259(1992)281

Trace metals

At. emission spectrom.; Plasmas; Preconcentration; Sea water; Waters; Amberlite XAD-2 chelating resin, Inductively coupled, On-line, Quinolin-8-ol 258(1992)237

Anod. stripping voltammetry; Flow system; Preconcentration; Sea water; Waters; Immobilized quinolin-8-ol, Silica gel 258(1992)245

Liquid chrom.; Spectrophotometry; Citric acid; Fermentation; Iron; Manganese; Zinc; Ion-pair, Reversed-phase 258(1992) 275

Voltammetry; Anod. stripping voltammetry; Batch injection; Metals 259(1992)123

Transformations

Mass spectrometry; Computerized identification 256(1992)145

Transient signals

At. emission spectrom.; Electrotherm. atomization; Background correction; Wavelength modulation; Quartz refractor plate 257(1992)223

Transition metals

Spectrophotometry; Complexation; Copper; Crown ethers; Didecyldiaza-18-crown-6; Liquid membrane; Protonation constant, Solubility, Stability constant 254(1991)1

Copper; Crown ethers; Didecylaza-18-crown-6; Extraction; Liquid membrane 254(1991)9

Transmittance cell

I.r. spectrometry; Flow system; Internal total reflectance cell; Multi-component determinations; Fourier transform, Single-line system 253(1991)1

Triacylglycerols

Liquid chrom.; Canonical correlation; Hilditch's theory; Olive oils; Principal components analysis 259(1992)115

Trinitrotoluene

Soil; TNT 258(1992)341

Tristimulus colorimetry

Flow system; Titrimetry; Colour evaluation; Continuous flow, Gradient scanning 252(1991)133

Tungster

Activ. analysis; Ion exchange; Antimony; Arsenic; Geological materials; Molybdenum; Rocks; Silicates; Alumina inorganic ion exchange, Epithermal neutron activation 251(1991)297

Chromatography; Molybdenum 254(1991)45

Chromatography; Metals; Molybdenum; Trace-matrix-separation, Metal impurities 256(1992)331

Chromatography; At. emission spectrom.; Metals; Molydenum 258(1992)109

Fluorimetry; Derivative spectroscopy; Molybdenum; Waters; Carminic acid complexes, Solid-phase, Synchronous 259(1992)345

U

Ultrafiltration

Humic acids; Paraquat 258(1992)219

Ultramicroelectrodes

Electroanalytical response; Electrodes 259(1992)139

Uncompensated resistance

Cyclic voltammetry; iR drop errors; Reversible electrode processes; N,N'-Bis(salicylidene)ethylenediamine-cobalt(II), Numerical method 256(1992)243

Uranium

Mass spectrometry; Plasma; Plasmas; Radiation exposure; Urine 251(1991)183

Spectrophotometry; Fibre-optic spectrophotometer; Nitric acid; Partial least-squares regression; PUREX process 254(1991)159

Isotope dilut. analysis; Mass spectrometry; Geological materials; Rocks; Silicate rocks; Thorium 256(1992)153

Flow system; Potentiometry; Amplification; Aluminium; Ionselective electrodes; Copper 259(1992)149

Urea

Conductimetry/oscillometry; Bipolar pulse conductance instrument; Solution conductivity; Current and voltage modes, Sampled and integrated signal acquisition 252(1991)29

Flow system; Enzyme electrodes; Glucose; Mathematical modelling; Experimental verification of model 254(1991)167

Potentiometry; Biosensors; pH; Glass electrode, Urease immobilization 257(1992)67

Urine

Mass spectrometry; Plasma; Plasmas; Radiation exposure; Uranium 251(1991)183

At. abs. spectrometry; Flow system; Amphetamines; Extraction; Pharmaceuticals; Metal dialkyldithiocarbamates, Isobutyl methyl ketone 252(1991)83

Flow system; Spectrophotometry; Ammonia; Creatinine; Enzyme reactor; Immobilized glutamine synthetase 255(1991)83

Chemiluminescence; Oxalate; Porphyrins; Carbodiimide, Hydrogen peroxide, Peroxyoxalate 255(1991)413

Flow system; Voltammetry; Mitoxantrone; Pharmaceuticals; A.c. adsorptive stripping, Phase-selective 256(1992)231

Liquid chrom.; Micellar chromatography; Pharmaceuticals; Sports banned drugs 259(1992)203

Polarography; Estradiol; Estriol; Steroids; Single-sweep 259(1992)305



Vaccinium myrtillus

Liquid chrom.; Anthocyanins; Bilberries; Eigenvector projection; Fruits; Degradation, Stability 259(1992)109

Vanadium

At. abs. spectrometry; Electrotherm. atomization; Geological materials; Gold; Ores; Chemical modifier, Flame, Graphite furnace 252(1991)97

Chromatography; Ion exchange; EDTA complexes 254(1991)

Spectrophotometry; Ceramics; Extraction; Glass; Polyurethane foam; Salicylhydroxamic acid complex 257(1992)123

Vibrational coupling

Raman spectrometry; Cobalt(II) "jellyfish" porphyrin-imidazole complexes; Oxygen adducts; Hydrogen bonding, Resonance 253(1991)135

Viscoelasticity

Lipid film; Odorants; Quartz resonator; Resonance; Asolectin, Cholesterol, Lipid coating 251(1991)135

Visible laser fluorimetry

Fluorimetry; Flow system; Porphyrins 254(1991)189



Wafers

Chemiluminescence; Immunoassay; Biosensors; Immunoglobulin; Immunosensors; Bioselective matrix 252(1991)1

Water-hydroxylamine complex

I.r. spectrometry; Matrix isolation; Hydrogen bonding 253 (1991)173

Waters

Liquid chrom.; Cyanide; 1-Benzoyl-1,2-dihydroquinaldonitrile Reissert compound 251(1991)109

Piezoelectric sensors; Cresols; Quartz sensors; Regression analysis, Silver-coated AT-cut quartz crystals 251(1991)143

Fluorimetry; Flow system; Boron; Chromotropic acid 251 (1991)269

Kinetic analysis; Thermom. analysis; Catalytic effect; Lead; Manganese; Hydrogen peroxide, Tiron oxidation 251(1991)305

Potentiometry; Acetylcholinesterase, Dichlorvos 252(1991)7

Activ. analysis; At. abs. spectrometry; Hydride generation; Arsenate; Precipitation; Speciation; Molybdate complex, Tetraphenyl phosphonium chloride 252(1991)89

Spectrophotometry; Extraction; Iodide; Brilliant Green, Ion pair 252(1991)115

Amperometry; Flow system; Titrimetry; Chlorine; Iodine; Iodine-azide reaction, Thiosulphate and thioammeline inductors 252(1991)127

At. abs. spectrometry; Flow system; Antimony; Hydride generation; Sea water; Continuous flow 252(1991)161

Flow system; Kinetic analysis; Spectrophotometry; Formaldehyde; Sulphite; Resins; Brilliant Green 252(1991)167

At. abs. spectrometry; Ion exchange; Iron; Liquid membrane 252(1991)205

Potentiometry; Batch injection; Foods; Ion-selective electrodes 252(1991)215

Gas chromatography; Amines; Methylamines; Preconcentration; Sea water; Sediments; Microdiffusion, Volatile amines 252(1991)223

Chromatography; Ion exchange; Phosphonic acids; Preconcentration; Adsorption resins, Exchange celluloses 254(1991) 65

Electrotherm. atomization; At. abs. spectrometry; Lead; Tungsten furnace, Matrix modifiers 254(1991)99

Flow system; Spectrophotometry; Fertilizers; Phosphate; Crystal Violet, 12-Molybdophosphate 254(1991)197

Acoustic emission; Electrolysis; Frequency-domain representation; Time-domain representation 254(1991)223

Liquid chrom.; Spectrophotometry; Aldicarb; Carbamates; Carbaryl; Carbofuran; Pesticides; Photodegradation; Sea water; Diode-array detection 254(1991)235

Diffl. pulse voltammetry; Cadmium; Copper; Humic acid; Lead; Complexation 255(1991)15

I.r. spectrometry; Potentiometry; Carboxylic acids; Fulvic acid; Fourier transform 255(1991)23

Spectrophotometry; Chromium; Chromium(V) and -(VI), Diphenylcarbazide, Dissolved organic matter 255(1991)31

Fluorimetry; Flow system; Pharmaceuticals; Zinc; 5,7-Dichloro-2-methylquinolin-8-ol chelate 255(1991)325

Colorimetric glass detectors; Disposable tube detectors; Length of stain detectors; Sol-gel glasses 256(1992)65

Electrophoresis; Alphamethrine; Cypermethrine; Pesticides; Pyrethroid insecticides; Soils; Capillary isotachophoresis, Hydrolysis 256(1992)69

Pattern recognition; Cheese; Neural networks; Soft modelling; Backward error propagation 256(1992)133

Kinetic analysis; Spectrophotometry; Iron; Laser thermal lensing; Metal ions; Speciation; Fulvic acids, Humic acids 256(1992)183

Adsorbents; Caesium; Gamma spectrometry; Immobilization; Orthomolybdophosphate bonded groups 256(1992)323

Anod. stripping voltammetry; Copper; Lead; Mercury; Carbon fibres, Metal wires, Microelectrodes, Polypropylene matrix 257(1992)7

Diffl. pulse polarography; Aluminium; Haemodialysis water; High-pressure digestion; Microwave digestion; Dialysis units, Total soluble aluminium 257(1992)147

Voltammetry; Molybdenum; Titanium 257(1992)293

Diffl. pulse voltammetry; Chromium; Diphenylcarbazide complex 257(1992)301

Principal components; At. abs. spectrometry; Acid rain; Cross-validation; Factor analysis; Rain water 258(1992)1

Chromatography; Aluminium; Fluoride 258(1992)123

Flow system; Bubble-through flow cell; Chloride; Fluoride; Ion-selective electrodes; Continuous flow 258(1992)135

At. emission spectrom.; Plasmas; Preconcentration; Sea water; Trace metals; Amberlite XAD-2 chelating resin, Inductively coupled, On-line, Quinolin-8-ol 258(1992)237

Anod. stripping voltammetry; Flow system; Preconcentration; Sea water; Trace metals; Immobilized quinolin-8-ol, Silica gel 258(1992)245

Chromatography; Fluorimetry; Ion exchange; Calcium; Magnesium; Post-column reaction, Quinolin-8-ol-5-sulphonic acid 259(1992)19

Flow system; Spectrophotometry; Cyanide; Gas permeation; Membrane separation; Preconcentration; Isonicotinate-pyrazolone, Konig's reaction, Silicone-rubber 259(1992)45

Fluorimetry; Derivative spectroscopy; Molybdenum; Tungsten; Carminic acid complexes, Solid-phase, Synchronous 259(1992)345

Voltammetry; Cathodic stripping; Paraquat; Pesticides; Amberlite XAD-2 resin, Carbon paste electrode 260(1992)19

Polarography; Gas stripping; Surfactants; Tensammetry; Calibration, Non-ionic 260(1992)25

Liquid chrom.; Amino acids; Copper; Sea water; Reversedphase C₁₈-silica, LiChrosorb 260(1992)99

Extraction; Phosphorus; Sea water; Iron(III) hydroxide-coated acrylic fibres, Molybdenum blue complex 260(1992)113

Wavelength modulation

At. emission spectrom.; Electrotherm. atomization; Background correction; Transient signals; Quartz refractor plate 257(1992)223

Western blots

Chemiluminescence; Cytochrome P-450 isoenzymes; Enzyme systems; Staining 255(1991)359

White clover

Plant materials; Reference materials; Trace elements; BCR, Certification 259(1992)281

Wine

Liquid chrom.; Carboxylic acids; Modelling surface response; Optimization; Derivatization 259(1992)237

Wines

Fluorimetry; Liquid chrom.; Biological samples; Carbohydrates; Fructose; Glucose; Plant materials; Serum; Post-column fluorigenic reaction 252(1991)173

Y

Ytterbium

At. emission spectrom.; Liquid chrom.; Europium; Holmium; Lanthanide oxides 254(1991)21

Yttrium

Spectrophotometry; Barium; Ceramics; Copper; Superconductors; Partial least-squares regression 257(1992)195

Beryllium; Extraction; Rare earth elements; Scandium; Bis(4-acylpyrazol-5-one) derivatives, Polymethylene chain length, Steric effects 259(1992)25

Z

Zeolites

I.r. spectrometry; Raman spectrometry; Butenes; Force fields; Normal coordinate analysis; Metal ions 253(1991)227

Zino

Liquid chrom.; Cobalt; Copper; Iron; Hydrophobic stationary

phases, 2-(2-Pyridylazo)-5-[N-(sulphoalkyl)amino]phenol chelates 252(1991)181

Fluorimetry; Flow system; Pharmaceuticals; Waters; 5,7-Dichloro-2-methylquinolin-8-ol chelate 255(1991)325

Liquid chrom.; Spectrophotometry; Citric acid; Fermentation; Iron; Manganese; Trace metals; Ion-pair, Reversed-phase 258(1992)275

Anod. stripping voltammetry; Cyclic voltammetry; Diffl. pulse voltammetry; Albumin; Complexation; Charge transfer rate constant, Conditional stability constant, Glassy carbon, Nafion coating 259(1992)129

Flow system; Spectrophotometry; Copper; Partial least squares; Zone sampling; Concentrated solutions, Multi-component analysis 259(1992)219

Zinc butanoates

I.r. spectrometry; Fourier transform 253(1991)205

Zirconium

Achondrites; Hafnium; Meteorites; NAA 254(1991)119

Zone melting

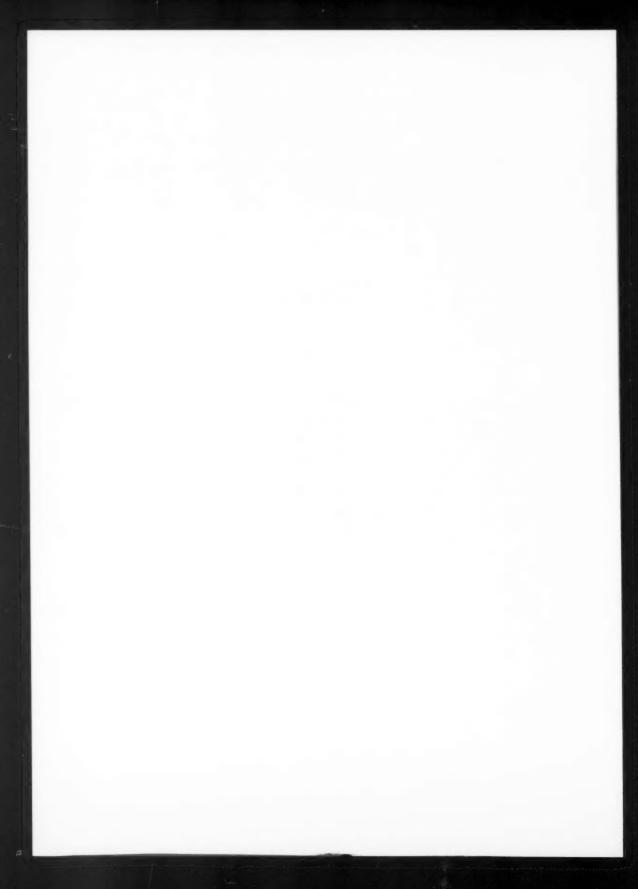
Fluorimetry; Spectrophotometry; Benzo[b]carbazole; Bibenzyl; Naphthacene; Polycyclic aromatic compounds; Diffusion coefficients 251(1991)241

Zone sampling

Flow system; Spectrophotometry; Copper; Partial least squares; Zinc; Concentrated solutions, Multi-component analysis 259(1992)219



TECHNIQUE INDEX VOLUMES 251-260





Activation analysis

Ion exchange; Antimony; Arsenic; Geological materials; Molybdenum; Rocks; Silicates; Tungsten; Alumina inorganic ion exchange, Epithermal neutron activation 251(1991)297

At. abs. spectrometry; Hydride generation; Arsenate; Precipitation; Speciation; Waters; Molybdate complex, Tetraphenyl phosphonium chloride 252(1991)89

Silica; Standardization; Inter-laboratory comparison 254 (1991)127

Blood; Serum; Trace elements; Ion exchange 257(1992)1

Biological samples; Rare earth elements; Standard reference materials; Coprecipitation 259(1992)159

Gold electrodes; Sulfur compounds; Thiourea 260(1992)1

Amperometry

Biosensors; Enzyme electrodes; Glucose; Photolithographically patterned enzyme membrane 251(1991)117

Ferrocene; Glucose; Poly(ethylene oxide; Electron transfer, Glucose oxidase, Polymeric relay system 251(1991)121

Flow system; Diffusion; Hydrogen cyanide; Semipermeable membrane; Separation efficiency, Two sample loop system 251(1991)261

Biosensors; Carbamate pesticides; Enzyme electrodes; Organophosphorus pesticides; Pesticides; Cholinesterase membrane, Cobalt phthalocyanine-modified carbon paste electrode 252(1991)11

Flow system; Titrimetry; Chlorine; Iodine; Waters; Iodineazide reaction, Thiosulphate and thioammeline inductors 252(1991)127

Diffl. pulse voltammetry; Flow system; Antioxidants; Butylhydroxyanisole; Butylhydroxytoluene; Corn oil; Diethyl ether; Foods; Glassy carbon electrode 252(1991)153

Biosensors; Electrodes; Peroxidase-modified electrodes; Organic peroxides 254(1991)81

Ascorbic acid; Biosensors; Enzyme electrodes; Fruit juices; Plant-tissue electrodes; Cucumber juice 255(1991)53

Biosensors; Catechol; Enzyme electrodes; Plant-tissue electrodes; Potato slices 255(1991)59

Enzyme electrodes; NADH; Co-immobilized lactate dehydrogenase and lactate oxidase 256(1992)47

Flow system; Aluminium; Soils; 1,2-Dihydroxyanthraquinone-3-sulphonic acid complex 256(1992)117

Alkaline phosphatase; Aminophenol; Serum; Cellulose acetate membrane, Kinetic response 257(1992)21

Biosensors; Enzyme electrodes; Hydrogen peroxide; Tobacco callus; In vitro cultured 257(1992)59

Liquid chrom.; Blood; Enzyme reactor; Ethanol; Serum; Alcohol oxidase, Glucose oxidase, Hydroxyethylmethacrylate sorbent 257(1992)73

Cyclic voltammetry; Flow system; Hydrazine; Prussian Bluemodified electrode; Glassy carbon electrode, Nafion film 257(1992)275

Liquid chrom.; Voltammetry; Cerium; Nitrosamine; Gold, platinum and glassy carbon electrodes, Post-column redox reactions 258(1992)99

Enzyme electrodes; Glucose oxidase; Digital simulation; Homogeneous kinetics 258(1992)151

Coulometry; Potentiometry; Titrimetry; Cobalt; Electrochemical generation; Acetic acid-perchlorate 258(1992)161

Cyclic voltammetry; Flow system; Electrocatalysis; Hydrogen peroxide; Copper heptacyanonitrosylferrate film-modified glassy carbon electrode 259(1992)211

Anodic stripping voltammetry

At. abs. spectrometry; Cadmium; Electrolytic separation; Lead; Preconcentration; Silver; Electrolysis, Microscale 252(1991)211

Copper; Lead; Mercury; Waters; Carbon fibres, Metal wires, Microelectrodes, Polypropylene matrix 257(1992)7

Cholesterol; Serum; Hanging mercury drop electrode 257 (1992)15

Flow system; Preconcentration; Sea water; Trace metals; Waters; Immobilized quinolin-8-ol, Silica gel 258(1992)245

Voltammetry; Alkylalkoxysilanes; Sodium; Square-wave voltammetry 258(1992)289

Voltammetry; Batch injection; Metals; Trace metals 259 (1992)123

Cyclic voltammetry; Diffl. pulse voltammetry; Albumin; Complexation; Zinc; Charge transfer rate constant, Conditional stability constant, Glassy carbon, Nafion coating 259(1992)129

Atomic absorption spectrometry

Electrotherm. atomization; Alkyltin compounds; Chemical modifiers; Paints; Tin; Sea water; Graphite furnace, Organopalladium compounds, Sensitivity enhancement 252(1991)77

Flow system; Amphetamines; Extraction; Pharmaceuticals; Urine; Metal dialkyldithiocarbamates, Isobutyl methyl ketone 252(1991)83

Activ. analysis; Hydride generation; Arsenate; Precipitation; Speciation; Waters; Molybdate complex, Tetraphenyl phosphonium chloride 252(1991)89

Electrotherm. atomization; Geological materials; Gold; Ores; Vanadium; Chemical modifier, Flame, Graphite furnace 252(1991)97

Flow system; Antimony; Hydride generation; Sea water; Waters; Continuous flow 252(1991)161

Ion exchange; Iron; Liquid membrane; Waters 252(1991)205

Anod. stripping voltammetry; Cadmium; Electrolytic separation; Lead; Preconcentration; Silver; Electrolysis, Microscale 252(1991)211

Electrotherm. atomization; Lead; Waters; Tungsten furnace, Matrix modifiers 254(1991)99 Electrotherm. atomization; Biological samples; Cobalt; Human liver 254(1991)113

Flow system; Desferrioxamine; Preconcentration; Graphite furnace, Immobilized, Peritoneal dialysis solutions 256(1992)75

Fish; Mercury; Microwave digestion; Cold vapour 257(1992) 155

Principal components; Acid rain; Cross-validation; Factor analysis; Rain water; Waters 258(1992)1

Carbon dioxide; Carriers; Sample introduction; Supercritical carbon dioxide 258(1992)55

Arsenic; Seafood products; Hydride generation 258(1992)61

Antarctic snow; Heavy metals; Preconcentration 258(1992)229

Hydride generation; Antimony; Arsenic; Tin 258(1992)307

Flow system; Ion exchange; Chelating resins; Lead; Preconcentration; Quinolin-8-ol resins 259(1992)53

Gel perm. chromatogr.; Cadmium; Vegetables, Zinc 259 (1992)165

Gallium; Geological materials; Iron; Meteorites; Chloro complex extraction, Reduction 259(1992)289

Coal fly ash; Selenium; Graphite furnace, Mercury-palladium chemical modifier 259(1992)295

Extraction; Geological materials; Gold; Acid decomposition, Hydrochloric acid-bromine, Tellurium coprecipitation 260 (1992)131

Atomic emission spectrometry

Flow system; Aluminium alloys; Electrolytic dissolution; Plasmas; Inductively coupled 251(1991)187

Flow system; Diethyldithiocarbamate; Molecular emission spectrometry; Sulphur; Colloidal sulphur, Disulphur emission, Sulphur anions 251(1991)197

Liquid chrom.; Europium; Holmium; Lanthanide oxides; Ytterbium 254(1991)21

Chromatography; Steel 254(1991)109

Biological samples; Extraction; Inorganic constituents; Plasmas; EDTA, Inductively coupled, Tetramethylammonium hydroxide 256(1992)277

Electrotherm, atomization; Background correction; Transient signals; Wavelength modulation; Quartz refractor plate 257(1992)223

Fluorimetry; Elemental analysis; Inductively coupled plasma; Lasers; Rare earth elements; Spectral interference; Dysprosium, Gadolinium 258(1992)73

Chromatography; Metals; Molydenum; Tungsten 258(1992)109

Plasmas; Preconcentration; Sea water; Trace metals; Waters; Amberlite XAD-2 chelating resin, Inductively coupled, Online, Quinolin-8-ol 258(1992)237

Niobium; Tantalum 258(1992)329

Atomic fluorescence spectrometry

Cadmium; Ice; Laser excitation; Snow; Antarctic 251(1991)169



Chemiluminescence

Immunoassay; Enzyme assay; Erythrosin; Glucose oxidase; Bis(2,4,6-trichlorophenyl) oxalate, Hydrogen peroxide 251 (1991)215

Liquid chrom.; Benzydamine; Dipyridamole; Pharmaceuticals; Plasma; Peroxyoxalate 251(1991)247

Immunoassay, Biosensors; Immunoglobulin; Immunosensors; Wafers; Bioselective matrix 252(1991)1

Terbium; Electrogeneration, Oxide-covered aluminium electrode 252(1991)65

Fluorimetry; Biological samples; Biosensors; Blood; Carbon dioxide; Glucose; Oxygen; pH; Review; Biomedical 255(1991) 209

Immobilized metal chelates; Iodide; Optosensing; Fluorescence quenching, Room-temperature phosphorescence enhancement 255(1991)245

Biosensors; Enzyme reactor; Fibre-optic sensor; Poly(vinyl alcohol) matrix; Self-containment; Flavin cofactor, Immobilized 255(1991)253

Flow system; Biosensors; Enzyme reactor; Lactate; Microorganisms; Milk; Serum; Immobilized, Nylon coil 255(1991)259

Cyclodextrin; Phosphorescence; Tetrols; β-Cyclodextrinsodium chloride mixtures, Solid matrix, Stereoisomers 255(1991)335

Aflatoxins; Cyclodextrins; Fluorescence enhancement 255 (1991)343

Fluorimetry; Acenaphthene; Cyclodextrin; Phosphorescence; 2-Bromoethanol 255(1991)351

Cytochrome P-450 isoenzymes; Enzyme systems; Staining; Western blots 255(1991)359

Chromatography; Cytochrome P-450 isoenzymes; Microsomes 255(1991)363

Coenzyme Q; Free radical scavenging 255(1991)367

Blood; Pancreatitis; Ascorbic acid, 2,2-Dimethyl-4-methanesulphonic acid-1,2-dihydroquinoline, Lucigenin, Luminol, Trasylol 255(1991)373

Antibiotics; Cephalosporins; Cephalothin; Cobalt(II), Hydrogen peroxide, Luminol 255(1991)383

DNA; Dot blot hybridization assays; Enzyme reactions; B19 Parvovirus DNA, Digoxigenin 255(1991)387

Liquid chrom.; Dioxetane 255(1991)395

Flow system; Antibiotics; Pharmaceuticals; Tetracyclines; Hexacyanoferrate(III), Lucigenin 255(1991)403

Oxalate; Porphyrins; Urine; Carbodiimide, Hydrogen peroxide, Peroxyoxalate 255(1991)413

Immunoassay; Estradiol; Sensitivity; Solid phase 255(1991)417

Adenosine triphosphate; Bacteria; Sterility; Injectable preparations 255(1991)423

Electroluminescence; Lanthanides; Terbium; Aluminium disc electrodes, 2,6-Bis[*N*,*N*-bis(carboxymethyl)aminomethyl]-4-benzoylphenol chelates, Cathodically induced, Time-resolved 256(1992)17

Blood; Leukocytes; Multiplexing computerized luminometer 256(1992)29

Biosensors; Herbicides; Pesticides; Firefly luciferase genes, Luciferin, Membrane mutants of *E. coli*, Recombinant DNA technology 257(1992)183

Flow system; Amino acids; Reversed micelles; Schiff bases; Sodium bis(2-ethylhexyl)sulphosuccinate 259(1992)67

Cholesterol 259(1992)73

Chromatography

see also Gas chromatography, Gel permeation chromatography, Liquid chromatography, Thin-layer chromatography

Cyclic voltammetry; Flow system; Ion exchange; Conducting polymers; Polyaniline; Chemically modified electrodes 252(1991)53

Molybdenum; Tungsten 254(1991)45

Ion exchange; EDTA complexes; Vanadium 254(1991)61

Ion exchange; Phosphonic acids; Preconcentration; Waters; Adsorption resins, Exchange celluloses 254(1991)65

At. emission spectrom.; Steel 254(1991)109

Chemiluminescence; Cytochrome P-450 isoenzymes; Microsomes 255(1991)363

Metals; Molybdenum; Tungsten; Trace-matrix-separation, Metal impurities 256(1992)331

At. emission spectrom.; Metals; Molydenum; Tungsten 258(1992)109

Aluminium; Fluoride; Waters 258(1992)123

Fluorimetry; Ion exchange; Calcium; Magnesium; Waters; Post-column reaction, Quinolin-8-ol-5-sulphonic acid 259 (1992)19

Conductimetry and oscillometry

Bipolar pulse conductance instrument; Solution conductivity; Urea; Current and voltage modes, Sampled and integrated signal acquisition 252(1991)29

Biosensors; Ion channel; Ion conductivity; Lipid bilayer; Membranes; Dipalmitoyl phosphatidic acid, Phosphatidyl choline 257(1992)239

Coulometry

Amperometry; Potentiometry; Titrimetry; Cobalt; Electrochemical generation; Acetic acid-perchlorate 258(1992)161

Cyclic voltammetry

Hexacyanoferrate; Stability constants; Tetramethylammonium complexes; Ion pairs 251(1991)35

Hexadecylpyridiniumporphyrins; Metalloporphyrins; Electroreduction, Redox potentials, Non-aqueous media, UV-visible spectra, ESR spectra 251(1991)47

Enzyme oxidation; Glucose oxidase; Diffusion coefficients, Electron-transfer rate, Ferrocenecarboxylic acid mediator, Glucose 252(1991)23

Chromatography; Flow system; Ion exchange; Conducting polymers; Polyaniline; Chemically modified electrodes 252(1991)53

Nitrite; Osmium-modified electrode; Electrocatalyst, Glassy carbon electrode, Reduction 255(1991)45

iR drop errors; Reversible electrode processes; Uncompensated resistance; N,N'-Bis(salicylidene)ethylenediamine-cobalt(II), Numerical method 256(1992)243

Amperometry; Flow system; Hydrazine; Prussian Blue-modified electrode; Glassy carbon electrode, Nafion film 257(1992)275

Anod. stripping voltammetry; Diffl. pulse voltammetry; Albumin; Complexation; Zinc; Charge transfer rate constant, Conditional stability constant, Glassy carbon, Nafion coating 259(1992)129

Amperometry; Flow system; Electrocatalysis; Hydrogen peroxide; Copper heptacyanonitrosylferrate film-modified glassy carbon electrode 259(1992)211

D

D.c. polarography

Aziridinylquinones; Benzoquinones; Electronic substituent constants; Naphthoquinones; Quantitative structure-electrochemistry relationships 257(1992)257

Nickel complexes; Reduction mechanism; Dropping mercury electrode, Malonic acid, Succinic acid 259(1992)311

Differential pulse polarography

Molybdenum; Catalytic reaction, Ferron complex 256(1992)237

Aluminium; Haemodialysis water; High-pressure digestion; Microwave digestion; Waters; Dialysis units, Total soluble aluminium 257(1992)147

Molybdenum; Plants; Soils; Adsorptive complex, Cupferron 260(1992)35

Differential pulse voltammetry

Alizarin-modified electrode; Aluminium; Soils; Portable monitor 251(1991)157

Amperometry; Flow system; Antioxidants; Butylhydroxyanisole; Butylhydroxytoluene; Corn oil; Diethyl ether; Foods; Glassy carbon electrode 252(1991)153

Cadmium; Copper; Humic acid; Lead; Waters; Complexation 255(1991)15

Clotiapine; Pharmaceuticals; Cathodic stripping, Hanging mercury drop electrode 256(1992)59

Chromium; Waters; Diphenylcarbazide complex 257(1992)301

Anod. stripping voltammetry; Cyclic voltammetry; Albumin; Complexation; Zinc; Charge transfer rate constant, Conditional stability constant, Glassy carbon, Nafion coating 259(1992)129

Benomyl; Pesticides; Modified graphite electrode, OV-17 silicone 259(1992)325

E

Electrophoresis

Fluorimetry; Blood; Capillary zone electrophoresis; Glutathione; Thiols 255(1991)283

Fluorimetry; Anthracenes; Polynuclear aromatic hydrocarbons; Coal, Cyclodextrin modified, Helium-cadmium laser, Oil 256(1992)3

Alphamethrine; Cypermethrine; Pesticides; Pyrethroid insecticides; Soils; Waters; Capillary isotachophoresis, Hydrolysis 256(1992)69

Electrothermal atomization

At. abs. spectrometry; Alkyltin compounds; Chemical modifiers; Paints; Tin; Sea water; Graphite furnace, Organopalladium compounds, Sensitivity enhancement 252(1991)77

At. abs. spectrometry; Geological materials; Gold; Ores; Vanadium; Chemical modifier, Flame, Graphite furnace 252(1991)97

At. abs. spectrometry; Lead; Waters; Tungsten furnace, Matrix modifiers 254(1991)99

At. abs. spectrometry; Biological samples; Cobalt; Human liver 254(1991)113

At. emission spectrom.; Background correction; Transient signals; Wavelength modulation; Quartz refractor plate 257 (1992)223

Enthalpimetry

Titrimetry; Thermom. analysis; Barium titanate; Ferroelectric temperature sensors; Temperature sensors; Ferroelectric ceramics, Thermometric redox titrations, Wheatstone bridge 251(1991)59

Pentanol; Solubilization thermodynamics; Surfactants; Benzyldimethyltetradecylammonium chloride, Trimethyltetradecylammonium chloride, Partition coefficients, Micellar system 251(1991)69

Adenosine-5'-triphosphate; Catalytic activity; Enzyme reactor; Erythrocyte membrane; Sodium, potassium adenosine-5'-triphosphatase; Batch microcalorimetry, Hydrolysis 252(1991)17

F

Flow system

Potentiometry; Calixarenes; Plasma; Sodium; Membrane electrodes 251(1991)149

At. emission spectrom.; Aluminium alloys; Electrolytic dissolution; Plasmas; Inductively coupled 251(1991)187

Fluorimetry; Blood; Dehydrogenase; Ethanol; Enzyme reactor; Semiconductor laser spectrometry; Diaphorase, Methylene blue, NADH 251(1991)191

At. emission spectrom.; Diethyldithiocarbamate; Molecular emission spectrometry; Sulphur; Colloidal sulphur, Disulphur emission, Sulphur anions 251(1991)197

Amperometry; Diffusion; Hydrogen cyanide; Semipermeable membrane; Separation efficiency, Two sample loop system 251(1991)261

Fluorimetry; Boron; Waters; Chromotropic acid 251(1991)269

Spectrophotometry; Bismuth; Extraction; Geological materials; Lead tetramethylenedithiocarbamate 251(1991)275

Voltammetry; Adsorptive stripping; Folic acid 252(1991)47

Chromatography; Cyclic voltammetry; Ion exchange; Conducting polymers; Polyaniline; Chemically modified electrodes 252(1991)53

At. abs. spectrometry; Amphetamines; Extraction; Pharmaceuticals; Urine; Metal dialkyldithiocarbamates, Isobutyl methyl ketone 252(1991)83

Amperometry; Titrimetry; Chlorine; Iodine; Waters; Iodineazide reaction, Thiosulphate and thioammeline inductors 252(1991)127

Titrimetry; Colour evaluation; Tristimulus colorimetry; Continuous flow, Gradient scanning 252(1991)133

Fluorimetry; Enzyme reactor; Propane-1,2-diol; Propylene oxide; Immobilized glycerol dehydrogenase 252(1991)145 Amperometry; Diffl. pulse voltammetry; Antioxidants; Butylhydroxyanisole; Butylhydroxytoluene; Corn oil; Diethyl ether; Foods; Glassy carbon electrode 252(1991)153

At. abs. spectrometry; Antimony; Hydride generation; Sea water; Waters; Continuous flow 252(1991)161

Kinetic analysis; Spectrophotometry; Formaldehyde; Sulphite; Resins; Waters; Brilliant Green 252(1991)167

I.r. spectrometry; Internal total reflectance cell; Multi-component determinations; Transmittance cell; Fourier transform, Single-line system 253(1991)1

Enzyme electrodes; Glucose; Mathematical modelling; Urea; Experimental verification of model 254(1991)167

Enzyme reactor; Glucose; Glycerol; Mathematical modelling; Sandwich techniques; Two-analyte sequential determinations, Univariate optimization 254(1991)177

Fluorimetry; Porphyrins; Visible laser fluorimetry 254(1991) 189

Spectrophotometry; Fertilizers; Phosphate; Waters; Crystal Violet, 12-Molybdophosphate 254(1991)197

Enzymatic determination; Galactose 254(1991)201

Confluent mixing efficiency 254(1991)209

Spectrophotometry; Ammonia; Creatinine; Enzyme reactor; Urine; Immobilized glutamine synthetase 255(1991)83

Fluorimetry; Blood; Membrane electrodes; Potassium; Immobilized hexadecyl-acridine orange, PVC membrane 255(1991) 97

Liquid chrom.; Capacity factor; Solute focusing; Solute-focusing column location 255(1991)127

Spectrophotometry; Acetylcholine; Choline; Extraction; Thermochromism; Ion association complexes, Tetrabromophenolphthalein ethyl ester 255(1991)135

Acidity constants; Evolving factor analysis; Indicators; Multivariate methods; pH gradients 255(1991)143

Spectrophotometry; Catalysis; Iodide oxidation; Molybdenum; Optimization; Hydrogen peroxide, Monosegmented continuous-flow system 255(1991)149

Chemiluminescence; Biosensors; Enzyme reactor; Lactate; Microorganisms; Milk; Serum; Immobilized, Nylon coil 255(1991)259

Fluorimetry; Pharmaceuticals; Waters; Zinc; 5,7-Dichloro-2-methylquinolin-8-ol chelate 255(1991)325

Chemiluminescence; Antibiotics; Pharmaceuticals; Tetracyclines; Hexacyanoferrate(III), Lucigenin 255(1991)403

Fluorimetry; Solid particle supports; Adsorption, Chemical binding, Fibre-optic guide 256(1992)33

Membrane reactor; Glutaminase, Glucose oxidase, Immobilized, Laccase 256(1992)53

At. abs. spectrometry; Desferrioxamine; Preconcentration; Graphite furnace, Immobilized, Peritoneal dialysis solutions 256(1992)75

Chlorpromazine; Pharmaceuticals; Photochemical derivatization; UV photo-oxidation 256(1992)105

Spectrophotometry; Palladium; DCS-arsenazo 256(1992)113

Amperometry; Aluminium; Soils; 1,2-Dihydroxyanthraquinone-3-sulphonic acid complex 256(1992)117

Fluorimetry; Enzyme reactor; Glutamate; Serum; Immobilized glutamate dehydrogenase, Poly(vinyl alcohol) beads 256(1992)221

Fluorimetry; Micellar interactions; Surfactants; 2-(4-Amino-2-hydroxyphenyl)benzothiazole, PAS-S 256(1992)225

Voltammetry; Mitoxantrone; Pharmaceuticals; Urine; A.c. adsorptive stripping, Phase-selective 256(1992)231

Dialysis; Mass transfer; Mathematical modelling; Co-current laminar, Parallel plate 256(1992)301

Liquid chrom.; Beer; Enzyme reactor; Dextrins; Oligosaccharides; Co-immobilized, Postcolumn 257(1992)79

Amperometry; Cyclic voltammetry; Hydrazine; Prussian Blue-modified electrode; Glassy carbon electrode, Nafion film 257(1992)275

Dialysis; Mass transfer; Mathematical modelling; Co-current laminar flow, Parallel-plate dialyser 257(1992)317

Dialysis; Mass transfer; Mathematical modelling; Co-current laminar flow, Parallel-plate dialyser 257(1992)331

Gravimetry; Analytical balance detector; Precipitate weight 258(1992)129

Bubble-through flow cell; Chloride; Fluoride; Ion-selective electrodes; Waters; Continuous flow 258(1992)135

Spectrophotometry; Lactose; Milk; Alkaline methylamine 258(1992)141

Anod. stripping voltammetry; Preconcentration; Sea water; Trace metals; Waters; Immobilized quinolin-8-ol, Silica gel 258(1992)245

Aldehydes; Aromatic aldehydes 258(1992)253

Multibasic weak acids 258(1992)259

Spectrophotometry; Fruit juices; Nitrophenols; Pesticides; Diode-array 258(1992)269

Ion exchange; Potentiometry; Ammonium electrode; Bioreactor media; Glutamine 258(1992)281

Kerosene; Membrane extraction-preconcentration; Naphtha; Phenols 259(1992)37

Spectrophotometry; Cyanide; Gas permeation; Membrane separation; Preconcentration; Waters; Isonicotinate-pyrazolone, Konig's reaction, Silicone-rubber 259(1992)45

At. abs. spectrometry; Ion exchange; Chelating resins; Lead; Preconcentration; Quinolin-8-ol resins 259(1992)53

Chemiluminescence; Amino acids; Reversed micelles; Schiff bases; Sodium bis(2-ethylhexyl)sulphosuccinate 259(1992)67

Potentiometry; Amplification; Aluminium; Ion-selective electrodes; Uranium; Copper 259(1992)149

Amperometry; Cyclic voltammetry; Electrocatalysis; Hydrogen peroxide; Copper heptacyanonitrosylferrate film-modified glassy carbon electrode 259(1992)211

Spectrophotometry; Copper; Partial least squares; Zinc; Zone sampling; Concentrated solutions, Multi-component analysis 259(1992)219

Hydrogen peroxide; Nafion membrane scrubber 260(1992)57

Spectrophotometry; Extraction; Salbutamol 260(1992)65

Fluorimetry

Flow system; Blood; Dehydrogenase; Ethanol; Enzyme reactor; Semiconductor laser spectrometry; Diaphorase, Methylene blue, NADH 251(1991)191

Spectrophotometry; Benzo[b]carbazole; Bibenzyl; Naphthacene; Polycyclic aromatic compounds; Zone melting; Diffusion coefficients 251(1991)241

Liquid chrom.; Cyanide; Amino acids, o-Phthalaldehyde, Naphthalenedicarboxaldehyde, Postcolumn 251(1991)255

Flow system; Boron; Waters; Chromotropic acid 251(1991)269

Flow system; Enzyme reactor; Propane-1,2-diol; Propylene oxide; Immobilized glycerol dehydrogenase 252(1991)145

Liquid chrom.; Biological samples; Carbohydrates; Fructose; Glucose; Plant materials; Serum; Wines; Post-column fluorigenic reaction 252(1991)173

Curium; Micellar media; Time-resolved laser-induced, Thenoyltrifluoroacetone complex, Trioctylphosphine oxide, Triton X-100 254(1991)145

Flow system; Porphyrins; Visible laser fluorimetry 254(1991) 189

Acetylcholinesterase; Amphiphiles; Enzyme-substrate reactions; Nitrobenzoxadiazoledipalmitoylphosphatidylethanolamine; Fluorescence transduction 255(1991)73

Flow system; Blood; Membrane electrodes; Potassium; Immobilized hexadecyl-acridine orange, PVC membrane 255(1991)

Pharmaceuticals; Thioxanthenes; Orthophosphoric acid 255(1991)103

Benzo[a]pyrene; Perylene; Polynuclear aromatic hydrocarbons; Sea water; Micellar media, Triton X-100 255(1991)107

Chemiluminescence; Biological samples; Biosensors; Blood; Carbon dioxide; Glucose; Oxygen; pH; Review; Biomedical 255(1991)209

Biosensors; Enzyme reactor; Ethanol; Fibre-optic sensor; Formate; Glucose; Lactate; Mannitol; Phenylpyruvate; Pyruvate; Enzyme/coenzyme immobilization, Liquid membrane 255 (1991)223

Fibre-optic sensor; Polynuclear aromatic hydrocarbons; Time-resolved laser-induced 255(1991)231

Immunoassay; Antibodies; Antigens; Charge-coupled detector camera; Microscopy; Cooled slow-scan 255(1991)269

Fluid flow; Particle imaging; Refractive index matching 255(1991)275

Electrophoresis; Blood; Capillary zone electrophoresis; Glutathione; Thiols 255(1991)283

Platelet antibodies; Thrombocyte surface markers; Serial operator-independent measurements, Standardization 255 (1991)289

T.l.c.; Acepromazine; Fibre-optic sensor; Phenothiazines; Propiomazine; In situ scanning 255(1991)297

Fibre-optic sensor 255(1991)305

Quinalphos; Citrus fruits 255(1991)311

Derivative spectroscopy; Hydralazine; Pharmaceuticals; Propranolol; First-derivative synchronous spectra 255(1991)317

Flow system; Pharmaceuticals; Waters; Zinc; 5,7-Dichloro-2-methylquinolin-8-ol chelate 255(1991)325

Aqueous organic systems; Brønsted activity factors; Fluorescent indicator; pH; Acetonitrile-water mixtures, Dissociation reaction, 2-Hydroxybiphenyl, Reprotonation reaction 255 (1991)329

Chemiluminescence; Acenaphthene; Cyclodextrin; Phosphorescence; 2-Bromoethanol 255(1991)351

Electrophoresis; Anthracenes; Polynuclear aromatic hydrocarbons; Coal, Cyclodextrin modified, Helium-cadmium laser, Oil 256(1992)3

Immunoassay; Lanthanides; Co-fluorescence enhancement, Time-resolved 256(1992)9

Flow system; Solid particle supports; Adsorption, Chemical binding, Fibre-optic guide 256(1992)33

Flow system; Enzyme reactor; Glutamate; Serum; Immobilized glutamate dehydrogenase, Poly(vinyl alcohol) beads 256(1992)221

Flow system; Micellar interactions; Surfactants; 2-(4-Amino-2-hydroxyphenyl)benzothiazole, PAS-S 256(1992)225

Derivative spectroscopy; Polynuclear aromatic hydrocarbons; Constant-energy synchronous 256(1992)285

Osmium; Ruthenium; 1,10-Phenanthroline, Silica sorbents 257(1992)109

Phosphorimetry; Phenols; Phenylphenols; Filter-paper, Salt effect, Solid matrix 257(1992)139

Alkaline earth metals; Aluminium; Cation complexation; Coumarin 153; Crown ethers; Monoaza-15-crown-5 257(1992)

At. emission spectrom.; Elemental analysis; Inductively coupled plasma; Lasers; Rare earth elements; Spectral interference; Dysprosium, Gadolinium 258(1992)73

Liquid chrom.; Enzyme reactor; Foods; Glucose; Sucrose; Sugars; Immobilized sorbitol dehydrogenase 259(1992)15

Chromatography; Ion exchange; Calcium; Magnesium; Waters; Post-column reaction, Quinolin-8-ol-5-sulphonic acid 259(1992)19

Bentazone; Herbicides; Pesticides; Dimethylformamide solvent 259(1992)61

Derivative spectroscopy; Molybdenum; Tungsten; Waters; Carminic acid complexes, Solid-phase, Synchronous 259 (1992)345

Dysprosium; Europium; Fluorescence enhancement; Rare earth elements; Terbium; Sodium benzoate, Trioctylphosphine oxide 260(1992)135

G

Gas chromatography

Adsorption; Capillary transfer tubing; Capacity factors 251(1991)83

Motor oils; Mutagens; Nitroaromatics; Nitrogen dioxide 251(1991)95

Achiral stationary phases; Amines; Amino acids; Enantiomers; Optical isomers 251(1991)223

Interlaboratory comparisons; Pesticides; Polychlorinated biphenyls; Serum; Aroclors 251(1991)281

Hot wire; Modulator; Thermal decomposition; Correlation 252(1991)187

Amines; Methylamines; Preconcentration; Sea water; Sediments; Waters; Microdiffusion, Volatile amines 252(1991)223

I.r. spectrometry; Polynuclear aromatic hydrocarbons; Fourier transform, Spectral library 253(1991)189

Mass spectrometry; Liquid chrom.; Polynuclear aromatic hydrocarbons; Nitrated polynuclear aromatic hydrocarbons, Fluorescence detection 254(1991)27

Environmental samples; Review; Sulphur; Detectors 255 (1991)1

Bacillus subtilis metabolites; Biological samples; Sample introduction; Automation, On-line 255(1991)91

Liquid chrom.; Chlorophenoxyacetic acids; Extraction-methylation; Herbicides; Soils; Benzyltrimethylammonium chloride 255(1991)187

GC detector; Microwave induced plasma discharge; Plasma; TM resonant cavity 257(1992)309

Polychlorinated dibenzodioxines; Retention behaviour; Descriptors, Linear regression 258(1992)183

Polychlorinated dibenzofurans; Retention behaviour; Descriptors, Linear regression 258(1992)199

Free energy of solvation model; Stationary phases 259(1992)1

Principal components; Biological activity; Polychlorinated biphenyls 259(1992)89

Alkyl chloroformates; Amines; Aminoalcohols 259(1992)185

Mass spectrometry; Breath; Carbon dioxide; Isotope ratio; On-line purification 259(1992)193

Mass spectrometry; Arson analysis; Expert system; Petroleum distillates 259(1992)225

Alkylbenzenes; Quantitative structure-retention relationships; Linear models 260(1992)69

Crude oils; Dimethylnaphthalenes 260(1992)107

Gel permeation chromatography

Adsorption; Humic substances; Molecular size; Disodium tetraborate-pyrophosphate eluent, Membrane filtration 256(1992)81

At. abs. spectrometry; Cadmium; Vegetables, Zinc 259(1992) 165

Gravimetry

Flow system; Analytical balance detector; Precipitate weight 258(1992)129

H

Hydride generation

Activ. analysis; At. abs. spectrometry; Arsenate; Precipitation; Speciation; Waters; Molybdate complex, Tetraphenyl phosphonium chloride 252(1991)89

At. abs. spectrometry; Antimony; Arsenic; Tin 258(1992)307

I

Immunoassay

Chemiluminescence; Enzyme assay; Erythrosin; Glucose oxidase; Bis(2,4,6-trichlorophenyl) oxalate, Hydrogen peroxide 251(1991)215

Chemiluminescence; Biosensors; Immunoglobulin; Immunosensors; Wafers; Bioselective matrix 252(1991)1

Fluorimetry; Antibodies; Antigens; Charge-coupled detector camera; Microscopy; Cooled slow-scan 255(1991)269

Chemiluminescence; Estradiol; Sensitivity; Solid phase 255(1991)417

Fluorimetry; Lanthanides; Co-fluorescence enhancement, Time-resolved 256(1992)9

Infrared spectrometry

Flow system; Internal total reflectance cell; Multi-component determinations; Transmittance cell; Fourier transform, Single-line system 253(1991)1

Microscopy; Tobacco products; Fourier transform 253(1991)15

Polymer blends; Poly(vinyl acetate); Poly(vinylidene fluoride; Fourier transform, Compatibility 253(1991)21

Acetylene; Ethylene; Platinum/silica catalyst; Fourier transform, Hydrogen effect, Surface species 253(1991)29

Catalytic degradation; Polyethylene; Pyrolysis; Fourier transform, Metal-catalysed oxidation 253(1991)33

Raman spectrometry; Ab initio SCF-MO; Conformational stability; Methyl acrylate; 4–31G level, Deuterated methylacrylate, s-cis and s-trans conformers 253(1991)43

Dibenzoxanthen-14-one; Solvent effect 253(1991)61

Hexa-2,4-dienylideneisopropylamine; Imines; Phenols; Phenolyprop-2-enylideneisopropylamine; Proton donors; Fourier transform, Stretching vibrations, Thermodynamic parameters 253(1991)81

Hexa-2,4-dienylideneisopropylamine; Imines; Phenols; Phenolyprop-2-enylideneisopropylamine; Proton donors; Fourier transform, Isotopic ratio 253(1991)89

Dipalmitoylphosphatidylcholine multibilayers; Multibilayers; Subtransition; Attenuated total reflection, Fourier transform 253(1991)95

Spectroelectrochemistry; Fourier transform 253(1991)101

Raman spectrometry; Methyl trans-crotonate 253(1991)107

Raman spectrometry; Copper formate 253(1991)125

Chocolate; Cocoa; Sensory panel; Chemometrics 253(1991)161

Matrix isolation; Water-hydroxylamine complex; Hydrogen bonding 253(1991)173

Force constants; Fragment method; Hydrogen bonding; Polymers; Polyurethane; Intermolecular interactions 253(1991)183

Gas chromatography; Polynuclear aromatic hydrocarbons; Fourier transform, Spectral library 253(1991)189

Zinc butanoates; Fourier transform 253(1991)205

Raman spectrometry; Anhydrous/hydrated metal complexes; Chromium benzoate/salicylate; Iron(III) benzoate/salicylate; Silver benzoate/salicylate; Aromatic system 253(1991)211

Alkyl acetates; Carbonyl stretching, Intramolecular hydrogen bonding, Solvent acceptor numbers 253(1991)221

Raman spectrometry; Butenes; Force fields; Normal coordinate analysis; Zeolites; Metal ions 253(1991)227

Chemical vapour deposition; Double modulation; Titanium oxide films; Emission, In situ observation 253(1991)239

Emittance; Minerals; Planetary surfaces; Remote sensing; Soils; Calcite, Grain size, Granite, Packing density, Talc 253(1991)245 Cadmium compounds; Caesium compounds; Gas-phase spectra; High temperature 253(1991)251

Raman spectrometry; Self-absorption; Tetrahydrofuran; Fourier transform 253(1991)263

Infrared microscope; Naphthalene-1,8-dicarboxylic acid/anhydride 253(1991)269

Potentiometry; Carboxylic acids; Fulvic acid; Waters; Fourier transform 255(1991)23

Titrimetry; Bunsen reaction; Iodation; Karl Fischer reaction; Reaction intermediate; Cyclohexylamine, Methanol, Pyridine, Sulphur trioxide 257(1992)165

Ion exchange

Activ. analysis; Antimony; Arsenic; Geological materials; Molybdenum; Rocks; Silicates; Tungsten; Alumina inorganic ion exchange, Epithermal neutron activation 251(1991)297

Chromatography; Cyclic voltammetry; Flow system; Conducting polymers; Polyaniline; Chemically modified electrodes 252(1991)53

At. abs. spectrometry; Iron; Liquid membrane; Waters 252(1991)205

Chromatography; EDTA complexes; Vanadium 254(1991)61

Chromatography, Phosphonic acids; Preconcentration; Waters; Adsorption resins, Exchange celluloses 254(1991)65

Donnan dialysis; Gold; Ion-exchange membranes; Platinum group metals; Preconcentration 255(1991)169

Flow system; Potentiometry; Ammonium electrode; Bioreactor media; Glutamine 258(1992)281

Chromatography; Fluorimetry; Calcium; Magnesium; Waters; Post-column reaction, Quinolin-8-ol-5-sulphonic acid 259 (1992)19

At. abs. spectrometry; Flow system; Chelating resins; Lead; Preconcentration; Quinolin-8-ol resins 259(1992)53

Isotope dilution analysis

Mass spectrometry; Geological materials; Rocks; Silicate rocks; Thorium; Uranium 256(1992)153



Kinetic analysis

Voltammetry; Acetylpenicillamine thionitrite; Butyl hydroperoxide; Electron transfer reactions; Reduction; Irreversible reactions, Square-wave 251(1991)13

Thermom. analysis; Catalytic effect; Lead; Manganese; Waters; Hydrogen peroxide, Tiron oxidation 251(1991)305

Spectrophotometry; Corticosteroids; Cortisone; Differential reaction-rate methods; Hydrocortisone; Kalman filter; Blue Tetrazolium 251(1991)313

Spectrophotometry; Foods; Fruit juices; Sulphite; Brilliant Green 252(1991)121

Flow system; Spectrophotometry; Formaldehyde; Sulphite; Resins; Waters; Brilliant Green 252(1991)167

Spectrophotometry; Hydrogen sulphite oxidation; Oxygen; Thiatriazolthiolate catalysis; Sulphite interference, pH 254(1991)245

Spectrophotometry; Iron; Laser thermal lensing; Metal ions; Speciation; Waters; Fulvic acids, Humic acids 256(1992)183

Error correction; Kalman filter; Between-sample variations, Parallel network, Pseudo-first-order rate constants 257(1992) 173

Thermom. analysis; Cobalt; Pharmaceuticals; Personal computer 258(1992)177

Spectrophotometry; Manganese; Steels; Terephthalmonohydroxamic acid 259(1992)339

L

Liquid chromatography

Aminobutyric acid; Biological samples; Cadaverine; Polyamines; Putrescine; Spermidine; Spermine; Electrochemical detection, Gradient elution, σ-Phthalaldehyde-β-mercaptoethanol precolumn derivatization, Rat tissues 251(1991)101

Cyanide; Waters; 1-Benzoyl-1,2-dihydroquinaldonitrile Reissert compound 251(1991)109

Chemiluminescence; Benzydamine; Dipyridamole; Pharmaceuticals; Plasma; Peroxyoxalate 251(1991)247

Fluorimetry; Cyanide; Amino acids, o-Phthalaldehyde, Naphthalenedicarboxaldehyde, Postcolumn 251(1991)255

Fluorimetry; Biological samples; Carbohydrates; Fructose; Glucose; Plant materials; Serum; Wines; Post-column fluorigenic reaction 252(1991)173

Cobalt; Copper; Iron; Zinc; Hydrophobic stationary phases, 2-(2-Pyridylazo)-5-[N-(sulphoalkyl)amino]phenol chelates 252(1991)181

At. emission spectrom.; Europium; Holmium; Lanthanide oxides; Ytterbium 254(1991)21

Mass spectrometry; Gas chromatography; Polynuclear aromatic hydrocarbons; Nitrated polynuclear aromatic hydrocarbons, Fluorescence detection 254(1991)27

Mass spectrometry; Carboxylic acids; Formic acid 254(1991)33 Metals; Poisons; Paralytic shellfish poisons 254(1991)41

Spectrophotometry; Aldicarb; Carbamates; Carbaryl; Carbofuran; Pesticides; Photodegradation; Sea water; Waters; Diode-array detection 254(1991)235

Flow system; Capacity factor; Solute focusing; Solute-focusing column location 255(1991)127

Cyclodextrins; Hydroxypropyl-β-cyclodextrin; Partition coefficients; Shake-flask method; Cyclodextrin-water, Inclusion complex, Octanol-water, Three-phase model 255(1991)157

Cation-exchange resins; Chelating cation-exchange resins; Paralytic shellfish poisons; Preconcentration; Saxitoxin; Toxins 255(1991)163

Beverages; Extraction; Food additives; Aspartame, Benzoic acid, Saccharin, Sorbic acid 255(1991)177

Gas chromatography; Chlorophenoxyacetic acids; Extractionmethylation; Herbicides; Soils; Benzyltrimethylammonium chloride 255(1991)187

Acylation; Silica gels; Gas-phase 255(1991)197

Chemiluminescence; Dioxetane 255(1991)395

Spectrophotometry; Cobalt; Copper; Iron; Nickel; Ion-pair reversed-phase, 2-(2-Pyridylazo)-5-(N-sulphoalkyl)amino]phenol chelates 256(1992)91

Principal components; Diode-array detectors; Evolving factor analysis; Scan time 256(1992)125

Brassinosteroids; Steroids; Boronate derivatives, C-24 epimers, Reversed-phase 256(1992)319

Deconvolution; Detection limit; Noise; Correlation chromatography; Fourier transform, Pseudo random binary sequence 256(1992)349

Amperometry; Blood; Enzyme reactor; Ethanol; Serum; Alcohol oxidase, Glucose oxidase, Hydroxyethylmethacrylate sorbent 257(1992)73

Flow system; Beer; Enzyme reactor; Dextrins; Oligosaccharides; Co-immobilized, Postcolumn 257(1992)79

Spectrophotometry; Diuretics; H-point method; Pharmaceuticals; Standard addition method 257(1992)89

Air; Aldehydes; Exhaust gas; Gases; Stack gas; Bubbler, 2,4-Dinitrophenylhydrazones 257(1992)99

Spectrophotometry; Chiroptical detection; Circular dichroism; Enantioselective detection; Polarimetry; 1,1'-Bi-2-naphthol, 3,9-Dibromocamphor 258(1992)83

Polynuclear aromatic hydrocarbons; Retention time prediction, Gradient elution 258(1992)93

Amperometry; Voltammetry; Cerium; Nitrosamine; Gold, platinum and glassy carbon electrodes, Post-column redox reactions 258(1992)99

Spectrophotometry; Citric acid; Fermentation; Iron; Manganese; Trace metals; Zinc; Ion-pair, Reversed-phase 258(1992)275

Fluorimetry; Enzyme reactor; Foods; Glucose; Sucrose; Sugars; Immobilized sorbitol dehydrogenase 259(1992)15

Principal components; Data reduction; PCR, PLS 259(1992) 105

Anthocyanins; Bilberries; Eigenvector projection; Fruits; Vaccinium myrtillus; Degradation, Stability 259(1992)109 Canonical correlation; Hilditch's theory; Olive oils; Principal components analysis; Triacylglycerols 259(1992)115

Micellar chromatography; Pharmaceuticals; Urine; Sports banned drugs 259(1992)203

Carboxylic acids; Modelling surface response; Optimization; Wine; Derivatization 259(1992)237

Amino acids; Copper; Sea water; Waters; Reversed-phase C₁₈-silica, LiChrosorb 260(1992)99

M

Mass spectrometry

Plasma; Plasmas; Radiation exposure; Uranium; Urine 251(1991)183

Ammonium; Diffusion; Nitrate; Nitrogen; Polytetrafluoroethylene traps; Soils 252(1991)201

Liquid chrom.; Gas chromatography; Polynuclear aromatic hydrocarbons; Nitrated polynuclear aromatic hydrocarbons, Fluorescence detection 254(1991)27

Liquid chrom.; Carboxylic acids; Formic acid 254(1991)33

Computerized identification; Transformations 256(1992)145

Isotope dilut. analysis; Geological materials; Rocks; Silicate rocks; Thorium; Uranium 256(1992)153

Pattern recognition; Hazardous compounds; SIMCA methods 257(1992)229

Biological materials; Isotope dilution, Zinc 258(1992)317

Gas chromatography; Breath; Carbon dioxide; Isotope ratio; On-line purification 259(1992)193

Gas chromatography; Arson analysis; Expert system; Petroleum distillates 259(1992)225

P

Pattern recognition

Cheese; Neural networks; Soft modelling; Waters; Backward error propagation 256(1992)133

Mass spectrometry; Hazardous compounds; SIMCA methods 257(1992)229

Algae; Flow cytometry; Neural networks; Cyanobacteria 258(1992)11

Data visualization; Stereoscopic data visualization 259(1992)79

Principal components; Apricot; Fruits; Partial least squares; Sensory evaluation 259(1992)257

Phosphorimetry

Fluorimetry; Phenols; Phenylphenols; Filter-paper, Salt effect, Solid matrix 257(1992)139

Piezoelectric sensors

Cresols; Quartz sensors; Waters; Regression analysis, Silvercoated AT-cut quartz crystals 251(1991)143

Polarography

see also D.c. polarography, Differential pulse polarography

Half-wave potential; Ionic strength; Non-complexing supporting electrolyte 251(1991)3

Antiepilepsirine; Pharmaceuticals 258(1992)171

Estradiol; Estriol; Steroids; Urine; Single-sweep 259(1992)305

Gas stripping; Surfactants; Tensammetry; Waters; Calibration, Non-ionic 260(1992)25

Alloys; Manganese; Catalytic oxidation, Fuchsin, Oscillopolarographic detection 260(1992)45

Potentiometry

Electrochemical reduction; Tantalum; Molten fluorides, Diffusion 251(1991)53

Flow system; Calixarenes; Plasma; Sodium; Membrane electrodes 251(1991)149

Spectrophotometry; Titrimetry; Acidity constants; Dioxanewater; pH correction factors; Autoprotolysis constants 251 (1991)321

Biosensors; Enzyme inhibition; Ion-selective field effect transistors; Pesticides; Waters; Acetylcholinesterase, Dichlorvos 252(1991)7

Anion-sensing membranes; Ion-sensitive field effect transistors; Polyion complex bilayers; Dioctadecyldimethylammonium poly(styrene sulphonate) 252(1991)41

Adsorption stripping; Reversible reactions, Stirred and unstirred solutions 252(1991)59

Batch injection; Foods; Ion-selective electrodes; Waters 252(1991)215

Ion-sensitive field-effect transistor; Sodium; Calixarene derivatives 254(1991)75

Copper; Peptides 254(1991)89

Blood; Cholinesterase assay; Ion-selective electrodes; Benzoate-sensitive membrane 254(1991)95

I.r. spectrometry; Carboxylic acids; Fulvic acid; Waters; Fourier transform 255(1991)23

Titrimetry; Acidity constants; Glass electrodes; Hydrogen ion concentration; pH; Stability constants 255(1991)63

Biosensors; Chemoreceptors; Crayfish; Pyrazinamide; Video imaging inverted biological microscope 256(1992)39

Titrimetry; Plutonium; Scale-down 256(1992)163

Titrimetry; Acetic acid; Basicity; Lysine; Proteins; Screened indicator 256(1992)177

Ion-sensitive field effect transistors; Nitrate; Chemical grafting, Silica gate insulator 256(1992)251

Anthelmintics; Ion-selective electrodes; Pyrantel; Poly(vinyl chloride), Protein interference 256(1992)257

Titrimetry; Computer program; Equivalence volumes; Ionization constants; EUTIT, Hofstee's method, Iterative algorithm 257(1992)29

Titrimetry; Humic substances; Acid-base properties, Linear functions 257(1992)35

Pharmaceuticals; Polymeric membrane electrodes; Tizanidine 257(1992)41

Ion transport; Lipid membranes; Phase domain structures; Surface charge; Dipalmitoylphosphatidic acid, Ion permeability, Phosphatidylcholine 257(1992)49

Biosensors; pH; Urea; Glass electrode, Urease immobilization 257(1992)67

Enzyme electrodes; Thrombin; Carbon paste electrodes, Graphitic carbon electrodes, p-Nitroaniline 257(1992)247

Computer-aided regression; Ion-selective electrodes; Linear and non-linear regression, Nikolsky equation 258(1992)27

Computer-based system; Artificial intelligence 258(1992)33

Amperometry; Coulometry; Titrimetry; Cobalt; Electrochemical generation; Acetic acid-perchlorate 258(1992)161

Titrimetry; Alloys; Gold; 2,2'-Bipyridine, Cobalt(II) redox titration, 1,10-Phenanthroline 258(1992)167

Flow system; Ion exchange; Ammonium electrode; Bioreactor media; Glutamine 258(1992)281

Crown ethers; Ion-selective electrodes; Sodium; PVC membranes 259(1992)145

Flow system; Amplification; Aluminium; Ion-selective electrodes; Uranium; Copper 259(1992)149

Principal component analysis

Liquid chrom.; Diode-array detectors; Evolving factor analysis; Scan time 256(1992)125

At. abs. spectrometry; Acid rain; Cross-validation; Factor analysis; Rain water; Waters 258(1992)1

Gas chromatography; Biological activity; Polychlorinated biphenyls 259(1992)89

Liquid chrom.; Data reduction; PCR, PLS 259(1992)105

Pattern recognition; Apricot; Fruits; Partial least squares; Sensory evaluation 259(1992)257

Metals; Microwave digestion 259(1992)267

R

Raman spectrometry

I.r. spectrometry; Ab initio SCF-MO; Conformational stability; Methyl acrylate; 4–31G level, Deuterated methylacrylate, *s-cis* and *s-trans* conformers 253(1991)43

I.r. spectrometry; Methyl trans-crotonate 253(1991)107

I.r. spectrometry; Copper formate 253(1991)125

Cobalt(II) "jellyfish" porphyrin-imidazole complexes; Oxygen adducts; Vibrational coupling; Hydrogen bonding, Resonance 253(1991)135

Amphetamine; Mefenorex; Pemoline; Pentylenetetrazole; Pharmaceuticals; Sports doping; Stimulant drugs; Colloidal silver, Surface enhanced 253(1991)145

Mercury; Mercury iodide; Crystals 253(1991)155

I.r. spectrometry; Anhydrous/hydrated metal complexes; Chromium benzoate/salicylate; Iron(III) benzoate/salicylate; Silver benzoate/salicylate; Aromatic system 253(1991)211

I.r. spectrometry; Butenes; Force fields; Normal coordinate analysis; Zeolites; Metal ions 253(1991)227

Relative band intensities; Sample alignment; Carbon tetrachloride, Polarized Fourier transform, Tetrahydrofuran 253 (1991)257

I.r. spectrometry; Self-absorption; Tetrahydrofuran; Fourier transform 253(1991)263

Reflectance spectrometry

Acid-base equilibria; Fibre optics; Immobilized acid-base indicators; Indicators; Acidity constants, Kubelka-Munk functions, Solvent model 251(1991)165

S

Spectrophotometry

Geological materials; Minerals; Ores; Titanium; Cold acid decomposition, Fluoride complexation, Tiron 251(1991)205

Phosphate; Alizarin red sulphonate 251(1991)207

Fluorimetry; Benzo[b]carbazole; Bibenzyl; Naphthacene; Polycyclic aromatic compounds; Zone melting; Diffusion coefficients 251(1991)241

Flow system; Bismuth; Extraction; Geological materials; Lead tetramethylenedithiocarbamate 251(1991)275

Avidin-peroxidase conjugate; Biotin; Enzyme activity; Immunobiotin; Polystyrene beads, Solid-phase assay 251(1991) 291

Kinetic analysis; Corticosteroids; Cortisone; Differential reaction-rate methods; Hydrocortisone; Kalman filter; Blue Tetrazolium 251(1991)313

Potentiometry; Titrimetry; Acidity constants; Dioxane-water; pH correction factors; Autoprotolysis constants 251(1991)321

Amitriptyline; Blood; Imipramine; Perphenazine; Pharmaceuticals; Serum; Diode array, Simultaneous 252(1991)107

Extraction; Iodide; Waters; Brilliant Green, Ion pair 252 (1991)115

Kinetic analysis; Foods; Fruit juices; Sulphite; Brilliant Green 252(1991)121

Flow system; Kinetic analysis; Formaldehyde; Sulphite; Resins; Waters; Brilliant Green 252(1991)167

Complexation; Copper; Crown ethers; Didecyldiaza-18-crown-6; Liquid membrane; Transition metals; Protonation constant, Solubility, Stability constant 254(1991)1

Neodymium; Rare earth mixtures; Fourth derivative, Xylenol orange-pyridinium complex 254(1991)153

Fibre-optic spectrophotometer; Nitric acid; Partial least-squares regression; Uranium; PUREX process 254(1991)159

Flow system; Fertilizers; Phosphate; Waters; Crystal Violet, 12-Molybdophosphate 254(1991)197

Artificial intelligence; Colorimetry; Iron; Robots; Standard addition; Aqueous samples, Bathocuproine 254(1991)215

Liquid chrom.; Aldicarb; Carbamates; Carbaryl; Carbofuran; Pesticides; Photodegradation; Sea water; Waters; Diode-array detection 254(1991)235

Kinetic analysis; Hydrogen sulphite oxidation; Oxygen; Thiatriazolthiolate catalysis; Sulphite interference, pH 254(1991) 245

Chromium; Waters; Chromium(V) and -(VI), Diphenylcarbazide, Dissolved organic matter 255(1991)31

Chloride; Optical membrane; Plasmas; Serum; Chromoionophore, Optode 255(1991)35

Flow system; Ammonia; Creatinine; Enzyme reactor; Urine; Immobilized glutamine synthetase 255(1991)83

Arsenic; Arsine generation; Glasses; Gas-phase molecular absorption spectrometry, Inorganic 255(1991)113

Amino acids; Cysteine; Cystine; Copper(II)-neocuproin reagent, Soybean protein hydrolysate 255(1991)121

Flow system; Acetylcholine; Choline; Extraction; Thermochromism; Ion association complexes, Tetrabromophenolphthalein ethyl ester 255(1991)135

Flow system; Catalysis; Iodide exidation; Molybdenum; Optimization; Hydrogen peroxide, Monosegmented continuous-flow system 255(1991)149

Alloys; Bismuth; Extraction; Pharmaceuticals; 1-Naphtylmethyltriphenylphosphonium tetraiodobismuthate(III) 256(1992)87 Liquid chrom.; Cobalt; Copper; Iron; Nickel; Ion-pair reversed-phase, 2-(2-Pyridylazo)-5-(N-sulphoalkyl)amino]phenol chelates 256(1992)91

Bromide; Fibre-optic sensor; Spent brine; Chloramine-T oxidation, On-line 256(1992)97

Flow system; Palladium; DCS-arsenazo 256(1992)113

Kinetic analysis; Iron; Laser thermal lensing; Metal ions; Speciation; Waters; Fulvic acids, Humic acids 256(1992)183

Fibre-optic sensor; Gas sensor; Nitrogen oxides; Aquocyanocobinamide 256(1992)269

Extraction; Niobium; Steels; Dichlorobenzene, Naphthylmethyltriphenylphosphonium chloride, Thiocyanate 256 (1992)307

Liquid chrom.; Diuretics; H-point method; Pharmaceuticals; Standard addition method 257(1992)89

Minerals; Rare earth elements; p-Acetylchlorophosphonazo 257(1992)117

Ceramics; Extraction; Glass; Polyurethane foam; Vanadium; Salicylhydroxamic acid complex 257(1992)123

Chromium; Geological materials; Rocks; Azo dye 257(1992)

Titrimetry; Hydrogen peroxide; Oxalate; Phosphite; Thallimetric oxidation 257(1992)159

Barium; Ceramics; Copper; Superconductors; Yttrium; Partial least-squares regression 257(1992)195

Ferroin complex; Penicillamine; Pharmaceuticals; o-Phenanthroline-iron(III) 257(1992)203

Amino acids; Lysine; Proteins; Furfuraldehyde 257(1992)209

Carbaryl; Chlorpyrifos; Derivative spectroscopy; Multivariate analysis; Pesticides; Partial least squares, Zero-crossing point 258(1992)47

Liquid chrom.; Chiroptical detection; Circular dichroism; Enantioselective detection; Polarimetry; 1,1'-Bi-2-naphthol, 3,9-Dibromocamphor 258(1992)83

Flow system; Lactose; Milk; Alkaline methylamine 258 (1992)141

Flow system; Fruit juices; Nitrophenols; Pesticides; Diodearray 258(1992)269

Liquid chrom.; Citric acid; Fermentation; Iron; Manganese; Trace metals; Zinc; Ion-pair, Reversed-phase 258(1992)275

Extraction; Interference; Manganese(VII); Steels; Benzyl-tributylammonium chloride 258(1992)325

Benzyltributylammonium dichromate extraction; Chromium 259(1992)33

Flow system; Cyanide; Gas permeation; Membrane separation; Preconcentration; Waters; Isonicotinate-pyrazolone, Konig's reaction, Silicone-rubber 259(1992)45

Alloys; Cobalt; Di-2-pyridyl ketone hydrazones 259(1992)175 Iodine; Mercury(II) iodide; Crystals, Excess 259(1992)181 Flow system; Copper; Partial least squares; Zinc; Zone sampling; Concentrated solutions, Multi-component analysis 259(1992)219

Kinetic analysis; Manganese; Steels; Terephthalmonohydroxamic acid 259(1992)339

Flow system: Extraction: Salbutamol 260(1992)65

Forgetting factor algorithm; Kalman filter; Pharmaceuticals 260(1992)75

T

Thermometric analysis

Titrimetry; Enthalpimetry; Barium titanate; Ferroelectric temperature sensors; Temperature sensors; Ferroelectric ceramics, Thermometric redox titrations, Wheatstone bridge 251(1991)59

Dimyristoylphosphatidylcholine; Lipophilicity; Partition coefficients; Pharmaceuticals; Differential scanning calorimetry, Cardiac drugs 251(1991)79

Kinetic analysis; Catalytic effect; Lead; Manganese; Waters; Hydrogen peroxide, Tiron oxidation 251(1991)305

Kinetic analysis; Cobalt; Pharmaceuticals; Personal computer 258(1992)177

Thin-layer chromatography

Fluorimetry; Acepromazine; Fibre-optic sensor; Phenothiazines; Propiomazine; In situ scanning 255(1991)297

Iodine-azide reaction; Thiohydantoins; Induction 257(1992) 135

Titrimetry

Thermom. analysis; Enthalpimetry; Barium titanate; Ferroelectric temperature sensors; Temperature sensors; Ferroelectric ceramics, Thermometric redox titrations, Wheatstone bridge 251(1991)59

Potentiometry; Spectrophotometry; Acidity constants; Dioxane-water; pH correction factors; Autoprotolysis constants 251(1991)321

Amperometry; Flow system; Chlorine; Iodine; Waters; Iodine-azide reaction, Thiosulphate and thioammeline inductors 252(1991)127

Flow system; Colour evaluation; Tristimulus colorimetry; Continuous flow, Gradient scanning 252(1991)133

Potentiometry; Acidity constants; Glass electrodes; Hydrogen ion concentration; pH; Stability constants 255(1991)63

Potentiometry: Plutonium: Scale-down 256(1992)163

Potentiometry; Acetic acid; Basicity; Lysine; Proteins; Screened indicator 256(1992)177

Acetic acid; Amphiprotic solvents; Arginine; Dissociation constants; Ionic equilibria; Lysine; Diprotic bases, Low dielectric constant 256(1992)203

Acetic acid; Amphiprotic solvents; Arginine; Buffer capacity; Ionic equilibria; Lysine; Diprotic bases, Low dielectric constant, Monoprotic bases 256(1992)211

Potentiometry; Computer program; Equivalence volumes; Ionization constants; EUTIT, Hofstee's method, Iterative algorithm 257(1992)29

Potentiometry; Humic substances; Acid-base properties, Linear functions 257(1992)35

Spectrophotometry; Hydrogen peroxide; Oxalate; Phosphite; Thallimetric oxidation 257(1992)159

I.r. spectrometry; Bunsen reaction; Iodation; Karl Fischer reaction; Reaction intermediate; Cyclohexylamine, Methanol, Pyridine, Sulphur trioxide 257(1992)165

Amperometry; Coulometry; Potentiometry; Cobalt; Electrochemical generation; Acetic acid-perchlorate 258(1992)161

Potentiometry; Alloys; Gold; 2,2'-Bipyridine, Cobalt(II) redox titration, 1,10-Phenanthroline 258(1992)167



Voltammetry

see also Anodic stripping voltammetry, Cyclic voltammetry, Differential pulse voltammetry

Kinetic analysis; Acetylpenicillamine thionitrite; Butyl hydroperoxide; Electron transfer reactions; Reduction; Irreversible reactions, Square-wave 251(1991)13

Ferredoxins; Iron-sulphur clusters; Proteins; Redox properties, Clostridium pasteurianum, Electrostatic potential 251 (1991)27

Phthalocyanines 251(1991)39

Acetylcholine; Biosensors; Carbon fibre electrodes; Enzyme electrodes; Hydrogen peroxide, Ultramicro sensors 251(1991) 129

Flow system; Adsorptive stripping; Folic acid 252(1991)47

Flow system; Mitoxantrone; Pharmaceuticals; Urine; A.c. adsorptive stripping, Phase-selective 256(1992)231

Copper complexation; Sea water 257(1992)281

Molybdenum; Titanium; Waters 257(1992)293

Amperometry; Liquid chrom.; Cerium; Nitrosamine; Gold, platinum and glassy carbon electrodes, Post-column redox reactions 258(1992)99

Anod. stripping voltammetry; Alkylalkoxysilanes; Sodium; Square-wave voltammetry 258(1992)289

Lead; Mercury 258(1992)299

Anod. stripping voltammetry; Batch injection; Metals; Trace metals 259(1992)123

Beryllium; Ores; Adsorption, Beryllon III 259(1992)319

Cathodic stripping; Paraquat; Pesticides; Waters; Amberlite XAD-2 resin, Carbon paste electrode 260(1992)19

Europium; Salicylate complex, Square-wave 260(1992)51



X-ray fluorescence spectrometry

Geological materials; Rare earth elements; Rocks; Total reflection 251(1991)177

